

HARVARD UNIVERSITY CATALOGUE

1917-18



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DEPARTMENTS OF THE UNIVERSITY

The University comprehends the following departments :—

HARVARD COLLEGE,
GRADUATE SCHOOL OF ARTS AND SCIENCES,
SPECIAL STUDENTS,
SCHOOL OF ARCHITECTURE,
SCHOOL OF LANDSCAPE ARCHITECTURE,
BUSSEY INSTITUTION,
ENGINEERING AND MINING,
GRADUATE SCHOOL OF BUSINESS ADMINISTRATION,
DIVINITY SCHOOL,
LAW SCHOOL,
MEDICAL SCHOOL,
DENTAL SCHOOL,
GRADUATE SCHOOL OF MEDICINE,
ARNOLD ARBORETUM,
UNIVERSITY LIBRARY,
MUSEUM OF COMPARATIVE ZOOLOGY,
PEABODY MUSEUM OF AMERICAN ARCHAEOLOGY AND
ETHNOLOGY,
UNIVERSITY MUSEUM,
BOTANIC GARDEN,
GRAY HERBARIUM,
ASTRONOMICAL OBSERVATORY.

Students in regular standing in any one department of the University are admitted free to the instruction and the examinations given in any other department, with the exception of exercises carried on in the special laboratories. But no student paying less than the full fee in his own department is admitted to exercises given in any other department, except upon payment of suitable fees therefor, and with the knowledge and consent of the Deans both of his department and of the department in which the additional instruction is given.

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CALENDAR FOR 1917-18

The Academic Year begins on the Monday preceding the last Wednesday in September. The second half-year begins on the Monday following the second Sunday in February. The annual Commencement is held on the Thursday preceding the last Wednesday in June.

1917.

September 24, Monday. Academic Year begins in all departments of the University. Payment of the first instalment of the tuition fee is required of all students in the University on or before this date. Students entitled to the old rates of tuition pay the Infirmary fee with the January term-bill.

September 24, Monday. Annual Meeting of the Board of Overseers.

October 6, Saturday. Last day in the first half-year upon which Undergraduates, Unclassified Students, and Out-of-Course Students in Harvard College may change (drop or add), without liability for a fee of \$5 00, any course of study beginning in the first half-year.

October 8, Monday. Stated Meeting of the Board of Overseers.

October 12, Friday. Columbus Day: a holiday.

October 13, Saturday. Last day in the first half-year upon which Undergraduates, Unclassified Students, and Out-of-Course Students in Harvard College may drop additional courses of study without liability for the additional charge.

November 1, Thursday. Last day for receiving applications of candidates for Final Honors in 1918.

November 1, Thursday. Last day for handing in theses for the David A. Wells Prize.

November 23, Friday. Second instalment of the tuition fee is due on or before this date.

November 26, Monday. Stated Meeting of the Board of Overseers.

November 29, Thursday. Thanksgiving Day: a holiday.

December 1, Saturday. Applications for admission to examinations for the degrees of Ph.D. and A. M. at the Mid-Years must be made on or before this date.

December 1, Saturday. Last day for receiving applications for the Charles Eliot Norton Fellowship in Greek Studies for 1918-19.

December 1, Saturday. Last day for receiving applications for aid from the Loan Fund.

December 10, Monday. Last day for receiving applications for the Cheever, Hayden, and Haven (Medical) Scholarships.

December 15, Saturday. Last day for receiving applications for Price Greenleaf Aid (third assignment) from students in Harvard College who are eligible for, but who have not previously received, an assignment.

RECESS FROM DECEMBER 23, 1917, TO JANUARY 2, 1918, INCLUSIVE

1918.

- January 1, Tuesday* New Year's Day. a holiday.
- January 1, Tuesday* Last day for receiving theses of candidates for the degree of Ph.D. at the Mid-Years.
- January 14, Monday* Stated Meeting of the Board of Overseers
- January 15, Tuesday.* Applications for admission to examinations for the degrees of Ph.D. and A.M., in 1918, must be made on or before this date.
- January 23, Wednesday.* Last day for receiving applications for Freshman scholarships.
- January 24, Thursday.* Mid-Year Examinations begin in all Courses offered by the Faculty of Arts and Sciences.
- January 28, Monday* Second half-year begins in the Graduate School of Business Administration.
- January 31, Thursday* Medical and Dental Students are required to pay the second instalment of the tuition fee on or before this date.
- February 1, Friday.* Last day for receiving applications for the degree of A.B. or S.B. in the middle of the year.
- February 1, Friday.* Second half-year begins in the Medical School and the Dental School.
- February 11, Monday.* The first term-bill is due on this date. Third instalment of the tuition fee is due on or before this date.
- February 11, Monday.* **Second half-year begins** (except in the Graduate School of Business Administration, the Medical School, and the Dental School).
- February 22, Friday.* Washington's Birthday: a holiday.
- February 23, Saturday.* Last day in the second half-year upon which Undergraduates, Unclassified Students, and Out-of-Course Students in Harvard College may change (drop or add), without liability for a fee of \$5.00, any course of study beginning in the second half-year
- February 25, Monday.* Stated Meeting of the Board of Overseers.
- March 1, Friday.* Last day for receiving from persons intending to enter College applications for Price Greenleaf Aid, James A. Rumrill Scholarships, and Charles Elliott Perkins Scholarships, for 1918-19.
- March 1, Friday.* Last day for receiving applications for the Josiah Dwight Whitney Scholarship.
- March 1, Friday.* Last day for receiving applications for Fellowships and Scholarships, for 1918-19, in the Graduate School of Arts and Sciences and in the Law School.
- March 2, Saturday.* Last day in the second half-year upon which Undergraduates, Unclassified Students, and Out-of-Course Students in Harvard College may drop, without liability for the additional charge, additional courses of study that begin in the second half-year.
- March 30, Saturday.* Last day for receiving applications for Divinity School Fellowships and Scholarships.

March 30, Saturday. Last day for re-engaging College Rooms for 1918-19.

April 1, Monday Last day for receiving applications of candidates for Second-Year Honors.

April 1, Monday Last day for receiving dissertations for the Bowdoin Prizes and the Toppin Prize

April 1, Monday. Last day for receiving theses of candidates for the degree of Ph.D in 1918 in the Divisions of Ancient Languages, of Modern Languages, and of History, Government, and Economics.

April 1, Monday. Last day for handing in essays for the Harvard Menorah Society Prize

April 1, Monday. Last day for handing in compositions for the Francis Booth Prize and the George Arthur Knight Prize in Music

April 1, Monday Last day for receiving manuscripts of competitors for the Lloyd McKim Garrison Prize.

April 4, Thursday Last day for receiving names of competitors for the Boylston Prizes for Elocution.

April 8, Monday. Stated Meeting of the Board of Overseers.

April 10, Wednesday Last day for receiving theses in the Graduate School of Business Administration.

RECESS FROM APRIL 14 TO APRIL 20, INCLUSIVE

April 22, Monday Fourth instalment of the tuition fee is due on or before this date.

April 25, Thursday. Last day for receiving essays for the Hodgson Prize, in the Graduate School of Business Administration.

May 1, Wednesday Last day for receiving essays for the Susan Anthony Potter Prizes.

May 1, Wednesday. Last day for receiving dissertations for the Dante, Sargent, Sumner, and Bennett Prizes

May 1, Wednesday. Notice of intention to compete for the Sales and the Jeremy Belknap Prizes must be given on or before this date.

May 1, Wednesday. Last day for receiving theses of candidates for the degree of Ph.D in 1918 (except as above under *April 1*).

May 1, Wednesday. Last day for Undergraduates and for Graduate Students to hand in their Commencement Parts.

May 1, Wednesday. Last day for receiving applications of candidates for the degree of M.D. or the degree of D.M.D. in 1918

May 1, Wednesday Last day for receiving applications for the Bullard Fellowships and the Moseley Travelling Fellowships.

May 1, Wednesday. Last day for receiving applications for Medical School Scholarships for 1918-19 (except the Cheever, Haven, and Hayden Scholarships).

May 2, Thursday. Last day for receiving applications for College Rooms for 1918-19.

May 9, Thursday. Speaking for the Boylston Prizes.

May 13, Monday Stated Meeting of the Board of Overseers

May 25, Saturday Last day for Juniors to make application to have degree taken in 1918 recorded "as of 1919" in the Quinquennial Catalogue

May 29, Wednesday. Last day for receiving from Undergraduates applications for College Scholarships (except the James A. Rumrill Scholarships and the Charles Elliott Perkins Scholarships).

May 30, Thursday Memorial Day a holiday

May 31, Friday Last day upon which candidates for degrees which carry a graduation fee may give notice that they have abandoned their candidacy for the degree.

June 1, Saturday. Examinations begin in the Medical School and the Dental School

June 17-22, Monday to Saturday Examinations for admission to Harvard College and the Dental School, — conducted by the College Entrance Examination Board.

June 18, Tuesday. Seniors' Class Day.

June 19, Wednesday. All dues of candidates for degrees must be paid on or before this date.

June 20, Thursday. **Commencement.** Stated Meeting of the Board of Overseers.

SUMMER VACATION FROM COMMENCEMENT DAY TO SEPTEMBER 22,
INCLUSIVE

July 1, Monday. Summer School of the Faculty of Arts and Sciences opens.

July 20, Saturday. Payment of the second term-bill is due on or before this date.

September 11, Wednesday. Examinations begin for applicants for advanced standing in the Medical School, and for men previously conditioned.

September 16-19, Monday to Thursday. Examinations for admission to Harvard College and the Dental School.

September 23, Monday. **Academic Year begins** in all departments of the University. Payment of the first instalment of the tuition fee is required of all students in the University on or before this date; and payment of the Infirmary fee of Divinity and Law students.

September 23, Monday. Annual Meeting of the Board of Overseers.

ADMINISTRATIVE OFFICERS

THE UNIVERSITY

President: ABBOTT LAWRENCE LOWELL, A.B., LL.B., LL.D., PH.D.

Office, 5 University Hall, Cambridge.

Treasurer: CHARLES FRANCIS ADAMS, A.B., LL.B.

Deputy Treasurer: GORHAM BROOKS, A.B.

The office of the Corporation (and of the Treasurer) is at 50 State Street,
Boston. Office hours, 9 A.M. to 5 P.M., Saturday, 9 A.M. to 1 P.M.

Secretaries to the { FRANCIS WELLES HUNNEWELL, A.B., LL.B.

Corporation: { ROGER PIERCE, A.B.

Office, 5 University Hall, Cambridge.

Comptroller. FRANCIS WELLES HUNNEWELL, A.B., LL.B.

Office, 5 University Hall, Cambridge.

Assistant Comptroller. JOHN LEWIS TAYLOR

Office, Dane Hall, Cambridge. Office hours, 9 A.M. to 1 P.M.

Bursar. CHARLES FRANK MASON, A.B.

Office, Dane Hall, Cambridge. Office hours, 9 A.M. to 1 P.M.

Inspector of Grounds and Buildings. WALTER SAFFORD BURKE.

Office, Massachusetts Hall. Office hours, daily, except Saturday, 9 A.M.
to 1 P.M., 4 to 4:30 P.M., Saturday, 9 A.M. to 12:30 P.M.

Regent: EDWARD DESHON BRANDEGEE, A.B.

Office, 31 Weld Hall. Office hours, daily, except Saturday, 10 A.M. to
12 M.

Professor of Hygiene: ROGER IRVING LEE, A.B., M.D.

Office, 4 Weld Hall.

THE FACULTY OF ARTS AND SCIENCES

The Offices of this Faculty and of the Departments under its charge at Nos. 2, 4, 10, 19, 20, 23 and 24, University Hall, Cambridge, are open on week-days from 9 A.M. to 1 P.M. Nos. 2, 10, 19, 20, 23, and 24 are also open on week-days, except Saturdays, from 2 to 5 P.M.

Dean of the Faculty of Arts and Sciences: LE BARON RUSSELL BRIGGS, A.M., LL.D., LITT.D.

Office, 10 University Hall. Office hours, Monday, 10 A.M. to 1 P.M.

Dean of the Graduate School of Arts and Sciences: CHARLES HOMER HASKINS, PH.D., LITT.D., LL.D.

Office, 23 University Hall. Office hours, Monday, Wednesday, Friday, 12 M. to 1:15 P.M.; Tuesday, Thursday, 11 to 12 A.M.

Dean of Harvard College: HENRY AARON YEOMANS, A. M., LL. B.

Office, 4 University Hall. Office hours, Monday, Wednesday, 3 to 5 P. M.; Tuesday, Thursday, 9.30 to 11 30 A. M.; Saturday, 11 to 12 A. M.

Assistant Dean of Harvard College: LAWRENCE SHAW MAYO, A. M.

Office, 2 University Hall. Office hours, Tuesday, Wednesday, Thursday, Friday, 10 A. M. to 1 P. M.

Recorder and Secretary of the Faculty of Arts and Sciences: GEORGE WASHINGTON CHAM, A. B.

Office, 4 University Hall. Office hours, daily, 9 A. M. to 1 P. M.

Chairman of the Committee on Admission: JOHN GODDARD HART, A. M.

Office, 20 University Hall. Office hours, daily, 9 A. M. to 1 P. M.

Dean of Special Students and Dean in charge of University Extension: JAMES HARDY ROPES, A. B., D. D.

Office, 19 University Hall.

Acting Director of the Summer School of Arts and Sciences and Secretary of the Administrative Board for Special Students: ARTHUR FISHER WHITTEM, PH. D.

Office, 19 University Hall. Office hours, Monday, Wednesday, Friday, 1 P. M.

Secretary of the Graduate School of Arts and Sciences: GEORGE WASHINGTON ROBINSON, A. B.

Office, 24 University Hall. Office hours, daily, 10 A. M. to 12 M., and daily, except Saturday, 2 to 4 P. M.

Secretary for Student Employment: MORRIS GRAY, JR., A. B.

Office, 9 University Hall. Office hours, daily, 10 to 12 A. M.

LABORATORIES AND MUSEUMS ASSOCIATED WITH THE FACULTY OF ARTS AND SCIENCES

Director of the Chemical Laboratory: ARTHUR BECKET LAMB, PH. D.

Assistant Director of the Chemical Laboratory: WILLIS ARNOLD BOUGHTON, A. B.

The Chemical Laboratory is in Boylston Hall.

Director of the Wolcott Gibbs Memorial Laboratory: THEODORE WILLIAM RICHARDS, PH. D., S. D., LL. D., CHEM. D., M. D.

The Wolcott Gibbs Memorial Laboratory is on Frisbie Place.

Acting Director of the Jefferson Physical Laboratory: WALLACE CLEMENT SABINE, A. M., S. D.

The Jefferson Physical Laboratory is on Holmes Field.

Director of the Cruft High-Tension Engineering Laboratory: GEORGE WASHINGTON PIERCE, PH. D.

The Jefferson Physical Laboratory and the Cruft Memorial Laboratory are on Holmes Field.

Director of the Museum of Comparative Zoology: SAMUEL HENSHAW, A.M.

Honorary Curator of the Botanical Museum. GEORGE LINCOLN GOODALE, M.D., LL.D.

Curator of the Mineralogical Museum: JOHN ELIOT WOLFF, PH.D.

Director of the Peabody Museum of American Archaeology and Ethnology: CHARLES CLARK WILLOUGHBY, A.M.

The above Museums are between Oxford Street and Divinity Avenue.

Curator of the Semitic Museum: DAVID GORDON LYON, PH.D., D.D.

The Semitic Museum is on Divinity Avenue.

Honorary Curator of the Germanic Museum KUNO FRANCKE, PH.D., LL.D., LITT.D.

The Germanic Museum is at the corner of Kirkland Street and Divinity Avenue.

Director of the William Hayes Fogg Museum of Art and Curator of the Gray Collection of Engravings: EDWARD WALDO FORBES, A.B.

Assistant Director of the William Hayes Fogg Museum of Art: PAUL JOSEPH SACHS, A.B.

The Fogg Museum of Art is on Cambridge Street.

Director of the Botanic Garden: OAKES AMES, A.M.

Curator of the Gray Herbarium: BENJAMIN LINCOLN ROBINSON, PH.D.

The Herbarium and Botanic Garden are at the corner of Garden and Linnaean Streets.

Director of the Harvard University Press: CHARLES CHESTER LANE, A.M.

The Harvard University Press is in Randall Hall, corner of Kirkland Street and Divinity Avenue.

OTHER FACULTIES AND DEPARTMENTS

Chairman of the Faculty of Architecture: CHARLES WILSON KILLAM.

Office, Robinson Hall. Office hours, daily, except Saturday, 9 to 12 A.M.

Dean of the Graduate School of Business Administration: EDWIN FRANCIS GAY, PH.D.

Office, 17 University Hall. Office hours, Tuesday, Thursday, and Saturday, 11.30 A.M. to 1 P.M.

Dean of the Bussey Institution: WILLIAM MORTON WHEELER, PH.D., S.D.

Office, Bussey Institution, Forest Hills.

Dean of the Faculty of Divinity: WILLIAM WALLACE FENN, A.M., D.D.

Secretary of the Faculty of Divinity: HENRY WILDER FOOTE, A.M., S.T.B.

Office, Divinity Library, Cambridge. Office hours, Tuesday and Thursday, 9 to 11 A.M.; Wednesday, 2.30 to 4.30 P.M.; other times by appointment.

Dean of the Faculty of Law: ROSCOE POUND, PH D., LL M., LL D., D.C.L.
Office, Langdell Hall, Cambridge.

Secretary of the Faculty of Law: RICHARD AMES, A.B., LL.B.
Office, Langdell Hall, Cambridge. Office hours, daily, 9 A.M. to 1 P.M.

Dean of the Faculty of Medicine: } EDWARD HICKLING BRADFORD, A.M.,
Dean of the Medical School: } M.D.
Office, Harvard Medical School, Longwood Avenue, Boston Office
hours, by appointment.

Secretary of the Faculty of Medicine: McIVER WOODY, A.B., M.D.
Office, Harvard Medical School, Longwood Avenue, Boston Office
hours, daily, except Saturday, 1 to 2 P.M.

Dean of the Graduate School of Medicine: ALEXANDER SWANSON BEGG, M.D.
Office, Harvard Medical School. Office hours, by appointment.

Director of the Graduate School of Medicine: HORACE DAVID ARNOLD, A.B.,
M.D.
Office, Harvard Medical School. Office hours, by appointment.

Dean of the Dental School: EUGENE HANES SMITH, D.M.D.
Office, Harvard Dental School, Longwood Avenue, Boston. Office
hours, Monday, Tuesday, Thursday, Friday, 4 to 5 P.M., and by
appointment.

Director of the Arnold Arboretum: CHARLES SPRAGUE SARGENT, A.B., LL.D.
The Arnold Arboretum is in Jamaica Plain. The nearest railway and
telegraph station is Forest Hills, on the Boston and Providence
Division of the N.Y., N.H., and Hartford Railroad.

Director of the Astronomical Observatory: EDWARD CHARLES PICKERING,
LL.D., S.D.
The Observatory is at the corner of Garden and Bond Streets, Cam-
bridge.

Director of the Blue Hill Meteorological Observatory: ALEXANDER GEORGE
McADIE, A.M., S.M.
The Blue Hill Observatory is in Readville, Mass.

ADMINISTRATIVE BOARDS

HARVARD COLLEGE

HENRY AARON YEOMANS, A M, LL.B, DEAN, and *Professor of Government.*

EDWARD DESHON BRANDEGEE, A.B., *Regent.*

ROBERT DECOURCY WARD, A.M., *Professor of Climatology.*

GEORGE HENRY CHASE, Ph D, *Professor of Archaeology.*

CHESTER NOYES GREENOUGH, Ph D, *Professor of English.*

ARTHUR BECKET LAMB, Ph D, *Assistant Professor of Chemistry.*

ROGER IRVING LEE, A B, M.D., *Professor of Hygiene.*

GEORGE HAROLD EDGELL, Ph D, *Assistant Professor of Fine Arts*

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

CHARLES HOMER HASKINS, Ph D., Litt D, LL D, DEAN, and *Professor of History and Political Science*

EDWARD LAURENS MARK, Ph D, LL D., *Professor of Anatomy.*

GEORGE FOOT MOORE, A.M., D D, LL D, Litt D., *Professor of the History of Religion*

GEORGE LYMAN KITTREDGE, A.B, LL D, Litt D, *Professor of English Literature.*

ELMER PETER KOHLER, Ph D., *Professor of Chemistry*

WILLIAM FOGG OSGOOD, Ph D., LL.D, *Professor of Mathematics*

CHARLES BURTON GULICK, Ph D., *Professor of Greek.*

REGINALD ALDWORTH DALY, Ph.D., *Professor of Geology.*

JOHN ALBRECHT WALZ, Ph.D., *Professor of the German Language and Literature*

RALPH BARTON PERRY, Ph.D, *Professor of Philosophy*

HENRY WYMAN HOLMES, A M., *Professor of Education.*

SPECIAL STUDENTS AND UNIVERSITY EXTENSION

JAMES HARDY ROPES, A.B., D D., DEAN, and *Hollis Professor of Divinity.*

PAUL HENRY HANUS, S.B., LL.D., *Professor of the History and Art of Teaching.*

BYRON SATTERLEE HURLBUT, A.M., *Professor of English.*

CLIFFORD HERSCHEL MOORE, Ph.D., Litt.D., *Professor of Latin.*

KENNETH GRANT TREMAXNE WEBSTER, Ph.D, *Director of the Summer School of Arts and Sciences, and Assistant Professor of English.*

HECTOR JAMES HUGHES, A.B., S.B, *Professor of Civil Engineering.*

WILLIAM BENNETT MUNRO, Ph.D., LL.B., LL.D., *Professor of Municipal Government.*

GREGORY PAUL BAXTER, Ph.D., *Professor of Chemistry.*

ARTHUR FISHER WHITEM, Ph.D., *Acting Director of the Summer School of Arts and Sciences, Assistant Professor of Romance Languages, and Secretary of the Administrative Board for Special Students.*

DIVISIONS AND DEPARTMENTS

- I SEMITIC LANGUAGES AND HISTORY Professor Lyon, chairman.
- II ANCIENT LANGUAGES Professor Gulick, chairman
 - A *Indic Philology* Professor Lanman, chairman
 - B *The Classics (Greek, Latin)* Professor Clifford H. Moore, chairman
- III MODERN LANGUAGES Professor Kittredge, chairman.
 - A. *English.* Professor F. N. Robinson, chairman.
 - B. *Germanic Languages and Literatures.* Professor Walz, chairman
 - C. *French, and other Romance Languages and Literatures.* Professor Ford, chairman
 - D *Comparative Literature* Professor Kittredge, chairman
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HARVARD UNIVERSITY

HISTORY AND GOVERNMENT

HARVARD COLLEGE was founded in 1636, by a vote passed at an adjourned meeting (October 28, Old Style) of the General Court of the Colony of Massachusetts Bay which convened on September 8th of that year

The language of the vote was as follows —

“The Court agree to give Four Hundred Pounds towards a *School* or *College*, whereof Two Hundred Pounds shall be paid the next year, and Two Hundred Pounds when the work is finished, and the next Court to appoint where and what building ”

The ensuing year (1637) the General Court appointed twelve of the most eminent men of the colony (among whom were John Cotton and John Winthrop) “to take order for a college at Newtown.” The name, “Newtown,” was soon afterwards changed by the General Court to *Cambridge*, in recognition of the English University where many of the colonists had been educated.

The following year (1638) John Harvard, a non-conforming clergyman of England, who had been in the colony about one year, died at Charlestown, leaving half of his whole property and his entire library (about 300 volumes) to the institution. The value of this bequest was more than double the entire sum originally voted by the Court, and it was resolved to open the College at once, and to give it the name of *Harvard*. The first class was formed in the same year.

In 1642, during the administration of the first President, Henry Dunster, the general government of the College and the management of its funds were placed in the hands of a *Board of Overseers* established and empowered by the following Act of the General Court: —

“THE ACT

“ESTABLISHING THE OVERSEERS OF HARVARD COLLEGE.

“At a General Court held at Boston on the 8th of September, in the Year 1642,

• “WHEREAS, through the good hand of God upon us, there is a College founded in Cambridge, in the county of Middlesex, called HARVARD COLLEGE, for the encouragement whereof this Court has

given the sum of four hundred pounds, and also the revenue of the ferry betwixt Charlestown and Boston, and that the well ordering and managing of the said College is of great concernment, —

"It is therefore ordered by this Court and the authority thereof, that the Governor and Deputy-Governor for the time being, and all the magistrates of this jurisdiction, together with the teaching elders of the six next adjoining towns, — viz Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, — and the President of the said College for the time being, shall, from time to time, have full power and authority to make and establish all such orders, statutes, and constitutions as they shall see necessary for the instituting, guiding, and furthering of the said College and the several members thereof, from time to time, in piety, morality, and learning, as also to dispose, order, and manage, to the use and behoof of the said College and the members thereof, all gifts, legacies, bequeaths, revenues, lands, and donations, as either have been, are, or shall be conferred, bestowed, or any ways shall fall or come to the said College.

"And whereas it may come to pass that many of the said magistrates and elders may be absent, or otherwise employed in other weighty affairs, when the said College may need their present help and counsel, — it is therefore ordered, that the greater number of magistrates and elders which shall be present, with the President, shall have the power of the whole. *Provided*, that if any constitution, order, or orders, by them made, shall be found hurtful unto the said College, or the members thereof, or to the weal public, then, upon appeal of the party or parties grieved unto the company of Overseers first mentioned, they shall repeal the said order or orders, if they shall see cause, at their next meeting, or stand accountable thereof to the next General Court." *

The Board of Overseers appears to have been found too large a body to have the immediate direction of the College, and in 1650, through the efforts of President Dunster and others, a charter was granted to the College by the General Court, by which the College was made a *Corporation*, consisting of the President, five Fellows, and a Treasurer, or Bursar, to have perpetual succession by the election of members to supply vacancies, and to be called by the name of the *President and Fellows of Harvard College*. The powers conferred by this Act were accompanied with a provision which required that all Orders and By-Laws of the Corporation should have the consent

* This Act is copied from "The General Laws of the Massachusetts Colony, revised and published by order of the General Court in October, 1658," which was the second edition of the Laws of the Colony, and was printed in 1690. It varies slightly in phraseology from the Act contained in the Records of the General Court, Vol. II, page 24.

of the Overseers before they went into operation. This provision was found inconvenient and embarrassing in practice, and in 1657 a law was passed, called "An Appendix to the College Charter," by which the acts of the Corporation were declared to have immediate force and effect, and to be merely "alterable" by the Overseers to whom the Corporation was to be responsible "

The text of the College Charter, and of the appendix to the same, is as follows. —

"THE CHARTER

"OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE, UNDER THE SEAL OF THE COLONY OF MASSACHUSETTS BAY, AND BEARING DATE MAY 31, A D 1650.

"WHEREAS, through the good hand of God, many well-devoted persons have been, and daily are, moved and stirred up to give and bestow sundry gifts, legacies, lands and revenues, for the advancement of all good literature, arts, and sciences, in HARVARD COLLEGE, in Cambridge, in the county of Middlesex, and to the maintenance of the President and Fellows, and for all accommodations of buildings, and all other necessary provisions that may conduce to the education of the English and Indian youth of this country in knowledge and godliness, —

"It is therefore ordered and enacted by this Court and the authority thereof, that for the furthering of so good a work, and for the purposes aforesaid, from henceforth that the said College in Cambridge, in Middlesex, in New England, shall be a Corporation, consisting of seven persons, to wit, a President, five Fellows, and a Treasurer or Bursar; and that HENRY DUNSTER shall be the first President, SAMUEL MATHER, SAMUEL DANFORTH, Masters of Art, JONATHAN MITCHELL, COMFORT STARR, and SAMUEL EATON, Bachelors of Art, shall be the five Fellows, and THOMAS DANFORTH to be present Treasurer, all of them being inhabitants in the Bay, and shall be the first seven persons of which the said Corporation shall consist; and that the said seven persons, or the greater number of them procuring the presence of the Overseers of the College, and by their counsel and consent, shall have power, and are hereby authorized, at any time or times, to elect a new President, Fellows, or Treasurer, so oft, and from time to time, as any of the said person or persons shall die or be removed; which said President and Fellows for the time being shall forever hereafter, in name and fact, be one body politic and corporate in law, to all intents and purposes, and shall have perpetual succession, and shall be called by the name of *President and Fellows of Harvard College*, and shall from time to time be eligible as aforesaid;

and, by that name, they and their successors shall and may purchase and acquire to themselves, or take and receive upon free gift and donation, any lands, tenements, or hereditaments, within this jurisdiction of the Massachusetts Bay, not exceeding the value of five hundred pounds per annum, and any goods and sums of money whatsoever to the use and behoof of the said President, Fellows, and scholars of the said College; and also may sue and plead, or be sued and impleaded, by the name aforesaid, in all courts and places of judicature within the jurisdiction aforesaid.

“And that the said President, with any three of the Fellows, shall have power, and are hereby authorized, when they shall think fit, to make and appoint a common seal for the use of the said Corporation. And the President and Fellows, or the major part of them, from time to time, may meet and choose such officers and servants for the College, and make such allowance to them, and them also to remove, and, after death or removal, to choose such others, and to make from time to time such orders and by-laws, for the better ordering and carrying on the work of the College, as they shall think fit; *provided* the said orders be allowed by the Overseers. And also that the President and Fellows, or major part of them, with the Treasurer, shall have power to make conclusive bargains for lands and tenements, to be purchased by the said Corporation for valuable considerations.

“And, for the better ordering of the government of the said College and Corporation, - Be it enacted by the authority aforesaid, that the President and three more of the Fellows shall and may from time to time, upon due warning or notice given by the President to the rest, hold a meeting for the debating and concluding of affairs concerning the profits and revenues of any lands, and disposing of their goods (provided that all the said disposings be according to the will of the donors), and for direction in all emergent occasions, execution of all orders and by-laws, and for the procuring of a general meeting of all the Overseers and Society, in great and difficult cases, and in cases of non-agreement; in all which cases aforesaid, the conclusion shall be made by the major part, the said President having a casting voice, the Overseers consenting thereunto. And that all the aforesaid transactions shall tend to and for the use and behoof of the President, Fellows, scholars, and officers of the said College, and for all accommodations of buildings, books and all other necessary provisions and furnitures as may be for the advancement and education of youth in all manner of good literature, arts, and sciences.

“And, further, be it ordered by this Court and the authority thereof, that all the lands, tenements, or hereditaments, houses, or revenues,

within this jurisdiction, to the aforesaid President or College appertaining, not exceeding the value of five hundred pounds per annum, shall from henceforth be freed from all civil impositions, taxes, and rates; all goods to the said Corporation, or to any scholars thereof, appertaining, shall be exempted from all manner of toll, customs, and excise whatsoever; and that the said President, Fellows, and scholars, together with the servants, and other necessary officers to the said President or College appertaining, not exceeding ten, — viz., three to the President and seven to the College belonging, — shall be exempted from all personal civil offices, military exercises or services, watchings and wardings; and such of their estates, not exceeding one hundred pounds a man, shall be free from all country taxes or rates whatsoever, and none others

“ In witness whereof, the Court has caused the seal of the Colony to be hereunto affixed Dated the one and thirtieth day of the third month, called May, anno 1650.

[“ L. s]

THO DUDLEY, *Governor* ”*

“ AN APPENDIX TO THE COLLEGE CHARTER, GRANTED BY AN ACT OF THE GENERAL COURT OF THE COLONY, PASSED A. D. 1657.

“ *At a General Court held at Boston, the 14th of October, 1657*

“ In answer to certain proposals presented to this Court by the Overseers of HARVARD COLLEGE, as an appendix to the College Charter, it is ordered, —

“ The Corporation shall have power, from time to time, to make such orders and by-laws, for the better ordering, and carrying-on of the work of the College, as they shall see cause, without dependence upon the consent of the Overseers foregoing *Provided always*, that the Corporation shall be responsible unto, and those orders and by-laws shall be alterable by, the Overseers, according to their discretion.

“ And when the Corporation shall hold a meeting, and agreeing with college servants, for making of orders and by-laws, for debating and concluding of affairs concerning the profits and revenues of any lands or gifts, and the disposing thereof (provided that all the said disposals be according to the will of the donors), for management of all emergent occasions, for the procuring of a general meeting of the Overseers and Society in great and difficult cases, and in cases of non-agreement, and for all other college affairs to them pertaining, — in all these cases the conclusion shall be valid, being made by the

* The above is a copy of the original Charter, engrossed on parchment, under the signature of Governor Dudley, with the Colony seal appendant, in the custody of the President and Fellows of Harvard College. The Charter, varying slightly in phraseology, is also contained in the Records of the General Court, Vol. IV, page 10.

major part of the Corporation, the President having a casting vote *Provided always*, that, in these things also, they be responsible to the Overseers as aforesaid.

"And in case the Corporation shall see cause to call a meeting of the Overseers, or the Overseers shall think good to meet of themselves, it shall be sufficient unto the validity of college acts, that notice be given to the Overseers in the six towns mentioned in the printed law anno 1642, when the rest of the Overseers, by reason of the remoteness of their habitations, cannot conveniently be acquainted therewith" *

The Corporation and the Board of Overseers remain to the present time the governing powers of the University; and this charter with its appendix is now in force precisely as first drafted, notwithstanding that several attempts were made, during the first fifty years of its existence, to alter it or to substitute another in its place. Several new charters which would have essentially changed the organization of the College passed both branches of the Colonial Legislature, but failed to receive the sanction of the King or Governor, and none of the proposed changes ever actually went into operation. The last attempt to obtain a new college charter from the Crown was in 1700, when a draft of a charter was prepared "to be solicited for to his Majesty," which passed both branches of the Legislature, but was never presented to the King.

After the constitution of the College had been for a number of years in this unsettled condition, the General Court in 1707 passed the following vote, reasserting the integrity and force of the charter of 1650, and it remains "the venerable source of collegiate authority" to this day.

"EXTRACT FROM A RESOLVE OF THE PROVINCIAL GENERAL COURT, PASSED A.D. 1707, DECLARING THE COLLEGE CHARTER OF 1650 NOT REPEALED, AND DIRECTING THE PRESIDENT AND FELLOWS OF THE COLLEGE TO EXERCISE THE POWERS GRANTED BY IT.

"At a Great and General Court for her Majesty's Province of the Massachusetts Bay, begun and held at Boston upon the 28th of May, 1707, and continued by several prorogations unto the 29th of October following, being the third session.

"IN COUNCIL.

"Thursday, December 4, 1707.

"And inasmuch as the first foundation and establishment of that House [Harvard College, in Cambridge], and the government thereof, had its origin from an act of the General Court, made and passed in

* This act is taken from the Records of the General Court, Vol. IV, page 286.

the year 1650, which has not been repealed or nulled, — the President and Fellows of the said College are directed, from time to time, to regulate themselves according to the rules of the Constitution by the said Act prescribed, and to exercise the powers and authorities thereby granted for the government of that House, and the support thereof.

“*Saturday, December 8, 1707*”

“The Representatives returned the Vote passed in Council, the 4th current, referring to the College, with their concurrence thereunto.

“By his Excellency the Governor, consented to,

“JOSEPH DUDLEY.”*

In 1780, when a Constitution was framed for the new Commonwealth of Massachusetts, the following Articles were introduced, securing to the President and Fellows of Harvard College the perpetual enjoyment of all their vested rights and powers, and providing for the organization of the Board of Overseers

“THE ARTICLES OF THE CONSTITUTION OF THE COMMONWEALTH OF MASSACHUSETTS, CONFIRMING AND SECURING TO HARVARD COLLEGE THE PERPETUAL POSSESSION AND ENJOYMENT OF ALL ITS ESTATES, RIGHTS, POWERS, AND PRIVILEGES

“CHAPTER V.

“SECT. I. — *The University.*”

“ARTICLE 1. — Whereas our wise and pious ancestors, so early as the year one thousand six hundred and thirty-six, laid the foundation of HARVARD COLLEGE, in which University many persons of great eminence have, by the blessing of God, been initiated in those arts and sciences which qualified them for public employments both in Church and State; and whereas the encouragement of arts and sciences and all good literature tends to the honor of God, the advantage of the Christian religion, and the great benefit of this and the other United States of America, — It is declared that the *President and Fellows of Harvard College* in their corporate capacity, and their successors in that capacity, their officers and servants, shall have, hold, use, exercise, and enjoy all the powers, authorities, rights, liberties, privileges, immunities, and franchises which they now have, or are entitled to have, use, exercise, and enjoy; and the same are hereby ratified and confirmed unto them, the said President and Fellows of Harvard College, and to their successors, and to their officers and servants respectively, for ever.

“ART. 2. — And whereas there have been at sundry times, by divers persons, gifts, grants, devises of houses, lands, tenements,

* This resolve is taken from the Records of the General Court, Vol. VIII, page 344.

goods, chattels, legacies, and conveyances, heretofore made either to Harvard College, in Cambridge, in New England, or to the President and Fellows of Harvard College, or to the said College by some other description, under several charters successively, — It is declared that all the said gifts, grants, devises, legacies, and conveyances are hereby for ever confirmed unto the President and Fellows of Harvard College, and to their successors in the capacity aforesaid, according to the true intent and meaning of the donor or donors, grantor or grantors, devisor or devisors

“ART 3 — And whereas, by an Act of the General Court of the Colony of Massachusetts Bay, passed in the year one thousand six hundred and forty-two, the Governor and Deputy-Governor for the time being, and all the magistrates of that jurisdiction, were with the President, and a number of the clergy in the said Act described, constituted the Overseers of Harvard College, and it being necessary, in this new Constitution of government, to ascertain who shall be deemed successors to the said Governor, Deputy-Governor, and magistrates, — It is declared that the Governor, Lieutenant-Governor, Council, and Senate of this Commonwealth are and shall be deemed their successors; who with the President of Harvard College for the time being, together with the ministers of the Congregational churches in the towns of Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, mentioned in the said Act, shall be, and hereby are, vested with all the powers and authority belonging or in any way appertaining to the Overseers of Harvard College. *Provided*, that nothing herein shall be construed to prevent the Legislature of this Commonwealth from making such alterations in the government of the said University as shall be conducive to its advantage, and the interests of the republic of letters, in as full a manner as might have been done by the Legislature of the late Province of the Massachusetts Bay.”

On February 12, 1814, the Senate and House of Representatives of the State of Massachusetts passed the following Act, relating to the Power of the President and Fellows of Harvard College of holding Real Estate:—

“AN ACT

“TO ENLARGE THE POWER OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE OF HOLDING REAL ESTATE.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same :

“That the President and Fellows of Harvard College and their successors in office, be and they are hereby authorized to purchase, accept, take and hold lands, tenements and hereditaments within this Com-

monwealth to the clear yearly value of twelve thousand dollars, in addition to what they now are by law authorized to hold, and in addition to the public buildings of said University occupied by the students and for other public purposes "

Passed 12th February, 1814

The previous limitations on the power of the President and Fellows to accept and hold real estate were removed March 13, 1889, by the following Act of the Senate and House of Representatives of Massachusetts —

"AN ACT

"TO ENLARGE THE POWER OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE TO HOLD TAXABLE REAL ESTATE.

"Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows :

"SECTION 1 The President and Fellows of Harvard College may accept, take and hold, and may sell at their discretion, unless expressly forbidden by the terms of gift, any real estate within or without this Commonwealth which has been or may hereafter be given or devised to them for educational purposes; and they may, from time to time, invest any portion of the property held by them, as they may think judicious, in productive real estate within the Commonwealth, and may sell any such estate at their discretion *provided, however,* that nothing herein contained shall be construed to give the said corporation any claim to greater exemption from taxation than it now has under the constitution and laws of this Commonwealth

"SECT. 2. This Act shall take effect upon its passage "

Approved March 13, 1889.

It remains to notice certain changes in the constitution of the Board of Overseers, relating to eligibility to office, mode of appointment or election, and the connection between the College and the Commonwealth

The first important change occurred in the year 1810. Under the Act of 1642 and the clauses of the State Constitution of 1780, the Board was composed of the Governor, Lieutenant-Governor, Council, and Senate of Massachusetts, and the Congregational ministers of certain specified towns. In the early days of the College this enumeration included almost all the educated men of the Colony; but in the course of time other classes rose to power and influence, and it became desirable that the Overseers should be able to place among their number other persons eminently qualified for such a position, and that the right to a seat at the Board should be no longer incidental and casual, but be made elective and permanent. Many of the members of the

Senate also desired to be relieved of their duties towards the College.* Accordingly in March, 1810, an Act was passed by the State Legislature entitled "An Act to alter and amend the Constitution of the Board of Overseers of Harvard College," and consisting of six sections. By the first it is enacted that "The Governor, Lieutenant-Governor, Counsellors, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, and the President of Harvard College for the time being, with fifteen ministers of Congregational churches and fifteen laymen, all inhabitants within the State, to be elected as is hereafter mentioned, shall for ever hereafter constitute the Board of Overseers of Harvard College "

The second and fifth sections provide for the election of the ministers and laymen, the said elections being made by the ballots of the major part of the Overseers present at a legal meeting.

The third section relates to the choice and duties of a Secretary, the time and manner of meeting, and the duty of presiding at the meetings

The fourth section specifies when the seat of a minister or of a member shall become vacant, and confers the power of removal from office in certain cases.

The sixth and last section is as follows:—

"This Act shall be in force when the Overseers of Harvard College, as heretofore constituted, and the President and Fellows of Harvard College, shall agree to accept the provisions in this Act contained."

The principle that the Commonwealth could not change the constitution of the College, without the consent of the Corporation and Overseers, was thus distinctly recognized; and the chartered rights of the College were respected and maintained, at the same time that a more efficient organization was established for the Board of Overseers.

The provisions of this Act were accepted by the President and Fellows on the 16th of March, 1810; and by the Overseers on the 12th of April, in the same year.

In 1812, the Legislature, in direct opposition to a memorial from the Corporation, and without making any provision for the consent of the Corporation or Overseers, repealed this Act, and restored the former organization of the Board; but in 1814, the Act of 1812 was itself repealed, and that of 1810 re-enacted with the addition that the Senate of the Commonwealth should in future form part of the Board of Overseers. This Act also contained the provision that it should not take effect until it was accepted by the Overseers and by the President and Fellows of Harvard College. The Act was accepted by both Boards in March of the same year.

* See Quincy's *History of Harvard University*, ii, 294.

Until 1834, clergymen, to be eligible to the Board of Overseers, must be Congregationalists; but an Act was passed by the Legislature of that year opening the Board to clergymen of all denominations, — the Act to take effect whenever accepted by both branches of the College government. It was accepted by them in 1843.

Another Act, "to change the organization of the Board of Overseers," was passed in 1851. It made the Board to consist of, —

"The Governor, Lieutenant-Governor, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, the Secretary of the Board of Education, and the President and Treasurer of Harvard College, for the time being, together with thirty other persons, as hereinafter defined and described, and no others."

The Act also divided the Board into six equal classes, to be elected and to go out of office in rotation, as described in the following sections:

"SECT 3. — The thirty persons, who, in addition to the *ex-officio* members thereof, now constitute the Board of Overseers, shall be divided into three classes of ten each, by lot or otherwise, as they themselves may determine, and the persons of the first class shall go out of office on the day of the next annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives of the Commonwealth, assembled in one room; and the persons of the second class shall go out of office on the day of the annual meeting of the General Court, which will be in the year one thousand eight hundred and fifty-three, and their places be supplied in like manner by joint ballot of the Senators and Representatives; and the persons of the third class shall go out of office on the day of the annual meeting of the General Court, which will be in the year one thousand eight hundred and fifty-four, and their places be supplied in like manner by joint ballot of the Senators and Representatives. *Provided* that the persons of each of the said outgoing classes shall continue in office for two months after the day of the said annual meeting of the General Court, unless their successors shall have been sooner chosen by the Senators and Representatives."

"SECT 4. — When the Board of Overseers shall have been wholly renewed in the manner prescribed in the foregoing section, the members thereof shall be divided into six equal classes, by subdivision of the previous classes into two each, according to lot or otherwise, as the Board may determine, and having regard to seniority of service among the said previous classes in arranging the order of precedence of the new series; and the said six classes shall thereafter go out of office in rotation, and in order of precedence as thus defined, one at each successive annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives."

"SECT. 7 — No member of the General Court which elects shall be eligible to a place in the said Board of Overseers; and no person shall be re-eligible for more than one term immediately succeeding that for which he shall have been first elected "

This Act was not to go into effect until "the Board of Overseers, as heretofore constituted, and the President and Fellows of Harvard College respectively, at meetings held for that purpose during the present session of the General Court, shall by vote have assented to the same " The two Boards concurred as required.

Meanwhile an opinion was everywhere gaining ground that it would be better for the community and the interests of learning, as well as for the University, if the power to elect the Overseers were transferred from the Legislature to the graduates of the College. A bill to this effect was introduced into the Senate in 1851, which passed through most of the preliminary stages, but failed to be enacted, partly, as it was thought at the time, from the pressure of business at the close of the session. The purpose was finally carried out in 1865, by the passage of the following Act in relation to the Board of Overseers of Harvard College. —

"AN ACT

"IN RELATION TO THE BOARD OF OVERSEERS OF HARVARD COLLEGE.

"SECTION 1. — The places of the successive classes in the Board of Overseers of Harvard College, and the vacancies in such classes, shall hereafter be annually supplied by ballot of such persons as have received from the College a degree of Bachelor of Arts, or Master of Arts, or any honorary degree, voting on Commencement Day in the city of Cambridge; such election to be first held in the year eighteen hundred and sixty-six; *provided, however*, that no member of the Corporation, and no officer of government or instruction in said College, shall be eligible as an Overseer, or entitled to vote in the election of Overseers; and *provided, further*, that no person who has received from said College the degree of Bachelor of Arts shall be entitled to vote for Overseers before the fifth annual election after the graduation of his class.

"SECT. 2. — The Board of Overseers shall annually appoint one principal and two or more assistant-inspectors of polls, who shall, on Commencement Day, from the hour of ten in the forenoon to the hour of four in the afternoon, at some place in said city of Cambridge, fixed by said Board, receive the votes for Overseers, and they shall sort and count such votes, and make public declaration thereof, after the closing of the polls; and said inspectors shall be provided with

a complete list of the persons qualified to vote at such election, and no person shall vote until the inspectors find and check his name upon such list. The names of the persons voted for, the number of votes received for each person, and the vacancy or place in said Board for which he is proposed, shall be entered in words at length, by said inspectors, upon a record kept by them for that purpose, which shall, after such election, be forthwith made up, signed, and delivered by them to the Board of Overseers. The persons who shall receive the highest number of votes for the places or vacancies in said Board shall, to the number of Overseers to be elected, be deemed and shall be declared by said Board elected to be members thereof.

"SECT. 3. — The Board of Overseers shall give notice of the place of the polls, the hours during which they are open, and the number of Overseers to be elected, by publishing the same at least ten days before Commencement Day in some newspaper printed in the city of Boston

"SECT. 4 — The terms of office of the existing classes of Overseers are extended to the close of Commencement Day of the year in which such terms severally expire, the terms of office of the classes hereafter elected shall successively expire at the close of Commencement Day each year in their order; and the persons elected Overseers on any Commencement Day shall supply the places of the class of Overseers which goes out of office at the close of that day, and the vacancies then existing in said Board

"SECT. 5 — Whenever there shall be a failure on Commencement Day to supply any places or vacancies in the Board of Overseers, the same may be filled by vote of the remaining Overseers; and any person elected to fill a vacancy shall be deemed to be a member of and to go out of office with the class to which his predecessor belonged.

"SECT. 6. — The Governor, Lieutenant-Governor, President of the Senate, Speaker of the House of Representatives, and Secretary of the Board of Education shall not be *ex-officio* members of the Board of Overseers of Harvard College after this Act shall be in force.

"SECT. 7 — This Act shall be in force when the Board of Overseers and the President and Fellows of Harvard College, respectively, at meetings held for that purpose, shall by vote have assented to the same.

"SECT. 8. — This Act shall not be construed as in the nature of a contract or a charter, but may at any time be repealed at the pleasure of the Legislature." [April 28, 1865.]

This Act, having been duly assented to by the Overseers on the 21st of September, 1865, and by the President and Fellows on the 15th of December of the same year, is now the law

In the Act of 1810 it is specified that the members of the Board of Overseers shall be "all inhabitants within the State." This restriction was removed by the following Act in 1880:—

"AN ACT

"TO PROVIDE FOR THE ELIGIBILITY OF PERSONS NOT INHABITANTS OF THIS COMMONWEALTH AS OVERSEERS OF HARVARD COLLEGE.

"SECTION 1. — Persons not inhabitants of this Commonwealth and otherwise qualified shall be eligible as Overseers of Harvard College.

"SECT. 2. — This Act shall take effect on its acceptance by the President and Fellows and by the Board of Overseers of Harvard College, respectively, at meetings held for that purpose." [March 5, 1880.]

This Act was accepted by the President and Fellows on May 31, 1880, and by the Overseers on June 2, 1880

The method of election of Overseers of Harvard College, described in Section 2 of the Act of 1865, was amended by the following Act in 1889.—

"AN ACT

"TO AMEND CHAPTER 173 OF THE ACTS OF THE YEAR 1865 IN RELATION TO THE BOARD OF OVERSEERS OF HARVARD COLLEGE.

"Be it enacted, etc., as follows:

"SECTION 1. — Section 2 of Chapter 173 of the Acts of the year 1865 is amended by striking out all of said section after the word "list" in the eleventh line thereof, and by inserting in place thereof the following: The names of the persons voted for, and the number of votes received for each person, shall be entered in words at length by said inspectors upon a record kept by them for that purpose, which shall, after such election, be forthwith made up, signed and delivered by them to the Board of Overseers. The persons who shall receive the highest number of votes for the places in said board shall, to the number of overseers to be elected, be deemed and declared by said board elected to be members thereof for the following terms, to wit: The five persons receiving the highest number of votes shall be declared elected to the class having the longest term, and in case any vacancy or vacancies exist in any other class or classes, the persons voted for shall be declared elected to such vacancy or vacancies according to the number of votes received by them, the person or persons receiving the next highest number of votes being declared elected to the class having the next longest term to run, and so on in order for other vacancies. In case, by reason of a tie, it should be uncertain to which class any persons

shall be declared elected, the Board of Overseers shall by vote determine to which classes the persons receiving the same number of votes shall be assigned.

"SECT 2. — This Act shall take effect upon its passage."

This Act was approved March 19, 1889.

"AN ACT

"RELATIVE TO THE BOARD OF OVERSEERS OF HARVARD COLLEGE.

"Be it enacted, etc, as follows"

"SECTION 1. — The President and Fellows of Harvard College and the Board of Overseers of said College, acting separately at meetings called for that purpose, may, after the expiration of three years from the date of the acceptance of this Act, as provided for in Section 2, determine from time to time by concurrent vote whether any, and, if any, what degrees issued by said College other than those mentioned in the first section of chapter 173 of the Acts of the year 1865 shall entitle the recipients thereof to vote for Overseers to the same extent and under the same restrictions to and under which recipients of the degree of Bachelor of Arts from said College may now so vote

"SECT 2 — This Act shall take effect when the Board of Overseers and the President and Fellows of Harvard College, respectively, at meetings held for that purpose, shall by vote assent to the same."
[Approved March 27, 1902]

This Act was assented to by the President and Fellows on September 23, 1902, and by the Board of Overseers on October 15, 1902.

EXTENSION OF THE RIGHT TO VOTE FOR OVERSEERS

Acting under the authority conferred by the Act of 1902, the Board of Overseers on April 10, 1907, and the President and Fellows on April 29, 1907, adopted the following vote: —

"That this Board hereby determines that the degrees conferred by the Governing Boards of the University, upon the recommendation of the Faculty of Arts and Sciences, upon the graduates of the Lawrence Scientific School, of the Graduate School of Arts and Sciences, and of the Graduate School of Applied Science, and the degree of Bachelor of Science conferred after residence in Harvard College, shall entitle the recipients thereof to vote for Overseers to the same extent and under the same restrictions to and under which recipients of the degree of Bachelor of Arts of said College may now so vote."

Acting under the authority conferred by the Act of the Legislature of Massachusetts, Chapter 243 of the Acts of 1902, the President and Fellows on November 29, 1915, and the Board of Overseers on January 10, 1916, adopted the following concurrent vote: -

“That the recipients of all degrees heretofore or hereafter granted by Harvard College, other than the recipients of the degrees of Bachelor of Arts, Master of Arts, and Honorary Degrees, whose rights are fixed by Chapter 173 of the Acts of 1865 as amended, shall be entitled to vote for Overseers to the same extent to which recipients of the degree of Bachelor of Arts may now so vote and under the same restrictions.”

STATUTES

1 THE UNIVERSITY Harvard University comprehends the following departments: Harvard College, the Lawrence Scientific School, the Graduate School of Arts and Sciences, the Divinity School, the Law School, the Medical School, the Dental School, the Graduate School of Business Administration, the Schools of Architecture and Landscape Architecture, the Bussey Institution (a School of Agriculture), the Arnold Arboretum, the University Library, the Museum of Comparative Zoology, the Peabody Museum of American Archaeology and Ethnology, the University Museum, the Botanic Garden, the Gray Herbarium, and the Astronomical Observatory

2. PRESIDENT It is the duty of the President of the University to call meetings of the Corporation, and preside at the same, to act as the ordinary medium of communication between the Corporation and the Overseers, and between the Corporation and the Faculties; to make an annual report to the Overseers on the general condition of the University, to preside on public academic days; to preside over the several Faculties, to direct the official correspondence of the University; to acquaint himself with the state, interests, and wants of the whole institution; and to exercise a general superintendence over all its concerns For the better discharge of these duties, he must live in Cambridge

3. TREASURER. The Treasurer has the custody of all the property of the University. He is required to submit his accounts, and all evidences of the property under his charge, to the committees of inspection appointed by the Corporation and Overseers severally, and to make annually to the Overseers a statement of the receipts and expenditures of the University

The Treasurer of the College may from time to time, and for periods of time while he holds the office, nominate a Deputy Treasurer, who, if appointed by the Corporation, and confirmed by the Overseers, shall have such of the powers and perform such of the duties of the Treasurer as the Corporation shall think fit, except the powers and duties of the Treasurer as a member of the Corporation, and of the Board of Overseers A Deputy Treasurer shall receive such portion of the Treasurer's salary as the Corporation shall approve, and the Treasurer and Deputy Treasurer shall give to the Corporation their

joint and several bond in the sum of one hundred thousand dollars for the faithful performance of his duties by the Deputy Treasurer.

The Bursar and the Inspector of Grounds and Buildings are under the direction of the Treasurer, and are his agents in Cambridge.

All officers who are intrusted with property belonging to the University are required to keep inventories of the same, which are subject to the inspection of the Treasurer; and to have all such property designated as University property by suitable marks.

4. **TENURES OF OFFICE.** In all departments of the University, professorships are held without express limitation of time. Assistant professorships are held for five years, and tutorships for not more than three years. At the end of the term of an Assistant Professor or Tutor, his connection with the University ceases, unless he be reappointed. Lecturers are appointed for not more than one year. Instructors are appointed for such terms as convenience may require. Tutors and Instructors are responsible, in regard to their subjects and methods of teaching, to the Professors in their respective branches of study. Proctors are appointed for not more than one year, to assist the Faculties in the conduct of examinations, and in the preservation of order and decorum within the University precincts. All officers of instruction and government are subject to removal for inadequate performance of duty, or for misconduct.

5. **UNIVERSITY COUNCIL.** The University Council consists of the President, Professors, and Assistant Professors of the University and such other University officials as the Corporation with the consent of the Overseers may appoint members of the Council. It is the function of the Council to consider questions which concern more than one Faculty, and questions of University policy.

6. **FACULTIES.** Harvard College and the Graduate School of Arts and Sciences are together under the immediate charge of a Faculty, — the Faculty of Arts and Sciences. The Medical School and the Dental School are together under the immediate charge of a Faculty, — the Faculty of Medicine. The Schools of Architecture and Landscape Architecture are together under the immediate charge of a Faculty, — the Faculty of Architecture. The other Schools of the University, including the Bussey Institution, are each under the immediate charge of a Faculty. Each Faculty is composed of all the Professors, Associate Professors, and Assistant Professors, and of all the Instructors and Tutors appointed for a term longer than one year, who teach in the department or departments under the charge of that Faculty, except that from the Dental School Professors only are members of the Faculty of Medicine. The President is a member of each Faculty.

A Faculty may, at its discretion, delegate any of its powers relating to ordinary matters of administration and discipline, except the power to inflict the penalties of dismissal and expulsion, to Administrative Boards, nominated by the President, and appointed by the Corporation with the consent of the Overseers. Every such Board shall be subject to the authority of the Faculty from which it is appointed.

7. **DEANS.** Each Faculty has a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of the Faculty. Harvard College and the Graduate School of Arts and Sciences also have each a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of the Faculty of Arts and Sciences. The Medical School and the Dental School have each a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of the Faculty of Medicine. There is in addition a Dean of Special Students who also has charge of University Extension, appointed by the Corporation, with the consent of the Overseers. Each Dean is the chief executive officer of his Faculty, College, or School, is responsible for the proper preparation and conduct of its business, and makes an annual report to the President.

8. **ACADEMIC YEAR.** The Academic Year begins on the Monday preceding the last Wednesday in September. The annual Commencement is held on the Thursday preceding the last Wednesday in June. The vacation begins at Commencement and ends on the Sunday preceding the last Wednesday in September. The Christmas recess begins on the 23d of December, and ends on the 2d of January. The Spring recess begins on the Sunday next preceding the 19th of April, or on Sunday the 19th of April when that day falls on Sunday, and ends on the following Saturday, both days inclusive. The twenty-second day of February, the thirtieth day of May, Columbus day, and Thanksgiving day are holidays.

9. **DEGREES.** The ordinary Degrees of Bachelor of Arts, Bachelor of Science, Master of Arts, Bachelor of Science in the various branches of Engineering and Mining, Master of Science in the various branches of Engineering, Master in Civil Engineering, Master in Mechanical Engineering, Master in Electrical Engineering, Master in Architecture, Master in Landscape Architecture, Master in Forestry, Master of Science in Chemistry, Master of Science in Physics, Master of Science in Zoölogy, Master of Science in Botany, Master of Science in Geology, Mining Engineer, Metallurgical Engineer, Master in Business Administration, Doctor of Philosophy, Doctor of Science, Doctor of Engineering, Bachelor of Divinity, Master of Divinity, Doctor of Theology, Bachelor

of Laws, Doctor of Law, Doctor of Medicine, Doctor of Public Health, Doctor of Dental Medicine, and Associate in Arts are conferred, after recommendation by the several Faculties, by vote of the Corporation, with the consent of the Overseers. It is required that no candidate for the ordinary degrees be recommended except after thorough public examination. A residence at the University of at least one year is required, except in the case of candidates for the degree of Associate in Arts. There are four grades of the degree of Bachelor of Arts and of the degree of Bachelor of Science, and two grades of the degree of Master in Business Administration, of the degree of Bachelor of Divinity, of the degree of Bachelor of Laws, of the degree of Doctor of Medicine, and of the degree of Doctor of Dental Medicine. Honorary degrees are conferred by vote of the Corporation, with the consent of the Overseers.

10. STUDENTS NOT CANDIDATES FOR A DEGREE. Persons who are not candidates for a degree may be admitted to any of the courses of instruction given in the University, provided that they satisfy the appropriate Faculty of their fitness to pursue the particular courses which they elect. The several Faculties have the right to deprive any such student of his privileges, if he abuse or fail to use them.

11. BONDS AND REGISTRATION. Every student must, on his admission to any department of the University, give a bond to the Treasurer or the Bursar, in such a sum as shall from time to time be determined by the Corporation, for the payment of his dues to the University; or he must make payment in advance, or secure payment by a deposit. He must then enter his name, and such other particulars as may be required by the several Faculties, respectively, with the Dean of his Faculty.

12. DISCIPLINE. The several Faculties have authority to impose fines and levy assessments for damage done to property; to inflict, at their discretion, the penalties of admonition, suspension, dismission, and expulsion; and to use all other appropriate means of discipline; but no student shall be dismissed or expelled from the University, except by a vote of at least two thirds of the members of his Faculty present and voting thereon. Suspension is a separation from the University for a fixed period of time. It may be accompanied with a requirement of residence in a specified place, and of the performance of specified tasks. Dismission closes a student's connection with the University, without necessarily precluding his return. Expulsion is the highest academic censure, and is a final separation from the University.

13. PARIETAL BOARD. The proctors and the officers of instruction who reside in University buildings, or in buildings to which the super-

intendence of the University extends, constitute the Parietal Board. It is their duty, under the direction of the Regent, to prevent offences against order and decorum within the University precincts, and to assist the Regent in his supervision of the buildings in which they live.

14. **REGENT** The Regent is a University officer who exercises a general supervision over the conduct and welfare of the students. It is his duty to direct the proctors who reside in University buildings, or in buildings to which the superintendence of the University extends. He is expected to inform himself of the condition and management of all buildings in which five or more students are lodged, or in which students' societies meet. He is also expected to inform himself fully about all students' societies and clubs, and to enforce the responsibility of the officers and members thereof for their proceedings.

15. **UNIVERSITY PREACHERS.** Five preachers to the University are annually appointed by the President and Fellows, with the consent of the Board of Overseers, who, in conjunction with a resident Professor, arrange and conduct the religious services of the University.

16. **RELIGIOUS SERVICES** Daily prayers are held in the Chapel on week days, and a service on Sundays, during term time. Other services are held from time to time as the Board of Preachers to the University may determine.

17. **DIVINITY SCHOOL.** No assent to the peculiar doctrines or practices of any denomination of Christians is required of instructors or students in the Divinity School.

18. **UNIVERSITY LIBRARY** The University Library consists of all the collections of books in the possession of the University. The Director of the University Library is appointed during pleasure by the Corporation with the consent of the Overseers. He shall be, *ex officio*, Chairman of the Council of the College Library; shall visit and inspect the Law, Medical and other departmental libraries, and be *ex officio* a member of their administrative committees and their librarians shall annually make a report to him. Librarians and Assistant Librarians are appointed by the Corporation with the consent of the Overseers, without express limitation of term of service; they are under the same liability of removal as other officers of instruction and administration

The general control and oversight of the Law and Medical libraries are committed to the Faculties of those schools respectively, to be administered in each case by a committee of the Faculty; the Faculty or committee making rules for the administration of the Library and directing the purchase of books to the extent of the funds applicable to that purpose.

19. COLLEGE LIBRARY. The central collection, known as the Harvard College Library, is for the use of the whole University. With it are included for administrative purposes the special libraries. Its privileges are also granted, under special regulations, to persons not connected with the University. The general control and oversight are committed to a council consisting of a Chairman, and six other persons, appointed annually by the Corporation, with the consent of the Overseers. Any vacancy occurring in the Council is filled in the same manner for the unexpired portion of the term. It is the duty of the Council to make rules for the administration of the College Library and to apportion the funds applicable to the purchase of books. Subject to the direction of the Chairman of the Council, the Librarian has the care and custody of the College Library, superintending its internal administration, enforcing the rules, and conducting the correspondence.

20. APPOINTMENT OF OFFICERS WITH THE CONSENT OF THE OVERSEERS. The following officers are appointed by the Corporation with the consent of the Overseers: President, Treasurer, and Fellows; Deputy Treasurer; Professors; Professors Emeriti; Associate Professors; Assistant Professors; Preachers to the University; Deans; Tutors, Instructors, and Demonstrators for terms exceeding one year; and all other officers of instruction for terms exceeding one year; Regent; Secretary of the University; Members of the Administrative Boards; Members of the University Council, other than the President, Professors, and Assistant Professors; Members of the Council of the Library; Director of the Observatory; Director of the Botanic Garden; Director of the Arnold Arboretum; Director of the Chemical Laboratory; Director of the Jefferson Physical Laboratory; Director of the Museum of Comparative Zoölogy; Director of the Hemenway Gymnasium; Librarian (College); Librarian of the Divinity School; Librarian of the Law School; Medical Adviser; Trustees of the Museum of Fine Arts.

**OFFICERS AND STUDENTS AND
RECIPIENTS OF DEGREES
AND DISTINCTIONS**

THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE

This Board is commonly known as the CORPORATION.

PRESIDENT

ABBOTT LAWRENCE LOWELL, A B , LL B., LL D , PH D.
17 Quincy St , Cambridge

FELLOWS

HENRY PICKERING WALCOTT, A.B, M.D., LL D.
11 Waterhouse St., Cambridge
HENRY LEE HIGGINSON, A.M, LL.D. 44 State St., Boston
THOMAS NELSON PERKINS, A B , LL.B. 60 State St , Boston
ROBERT BACON, A.B., LL.D. 1 Park Ave , New York, N. Y.
WILLIAM LAWRENCE, A B , D D , LL D , D C L.
122 Commonwealth Ave., Boston

TREASURER

CHARLES FRANCIS ADAMS, A B., LL B. 50 State St., Boston

DEPUTY TREASURER

GORHAM BROOKS, A.B. 50 State St., Boston

SECRETARIES TO THE CORPORATION

FRANCIS WELLES HUNNEWELL, A.B , LL B.
5 University Hall, Cambridge
ROGER PIERCE, A.B. 5 University Hall, Cambridge

THE BOARD OF OVERSEERS

The PRESIDENT and TREASURER of the University, *ex officio*, and the following persons by election:—

1918*

AUGUSTUS EVERETT WILLSON, A.M., LL.D.

1423 Fourth St., Louisville, Ky.

LOUIS ADAMS FROTHINGHAM, A.B., LL.B.

911 Barristers Hall, Boston

OWEN WISTER, A.M., LL.B., LL.D., L.H.D.

1004 West End Trust Building, Philadelphia, Pa.

FREDERIC ADRIAN DELANO, A.B.

288 Treasury Building, Washington, D.C.

THOMAS WILLIAM LAMONT, A.B. 28 Wall St., New York, N.Y.

1919

GEORGE HERBERT PALMER, A.M., LL.D., LLT.D., L.H.D.

11 Quincy St.

WILLIAM ROSCOE THAYER, A.M., LL.D., L.H.D., LLT.D.

8 Berkeley St

FREDERICK CHEEVER SHATTUCK, A.M., M.D., LL.D., S.D.

135 Marlborough St., Boston

LANGDON PARKER MARVIN, A.M., LL.B.

52 Wall St., New York, N.Y.

FREDERICK PERRY FISH, A.B.

84 State St., Boston

1920

WILLIAM CAMERON FORBES, A.B., LL.D.

Westwood

†EVERT JANSEN WENDELL, A.B.

THOMAS WILLIAMS SLOCUM, A.B. 11 Thomas St., New York, N.Y.

JOHN WHITE HALLOWELL, A.B. 1733 N St., Washington, D. C.

EDGAR CONWAY FELTON, A.B. Haverford, Pa.

* The term expires, in each case, on Commencement Day of the year indicated.

† Died, August 28, 1917.

1921

ROBERT GRANT, PH D., LL B, *President*, 211 Bay State Road, Boston
 ROBERT FREDERICK HERRICK, A B., LL B. Ruggles Lane, Milton
 *WILLIAM DeWITT HYDE, A.B., D.D., LL D
 WILLIAM SYDNEY THAYER, A B., M.D, LL.D
 406 Cathedral St., Baltimore, Md.
 DWIGHT FILLEY DAVIS, A B., LL B.
 16 Portland Place, St. Louis, Mo.

1922

HOWARD ELLIOTT, C E. 34 Nassau St, New York, N. Y.
 JOHN PIERPONT MORGAN, A.B 23 Wall St, New York, N.Y.
 WILLIAM THOMAS, A.B., LL.B 310 Sansome St, San Francisco, Cal
 FRANCIS LEE HIGGINSON, Jr, A.B 44 State St., Boston
 ELIOT WADSWORTH, A B. 1718 H St., Washington, D.C.

1923

LEONARD WOOD, M D, LL D, D C L, M S D
 Camp Funston, Fort Riley, Kansas.
 ARTHUR WOODS, A M 119 East 36th St., New York, N. Y.
 FRANKLIN DELANO ROOSEVELT, A B.
 Navy Department, Washington, D. C
 FRANCIS JOSEPH SWAYZE, A M., LL D. 765 High St., Newark, N J.
 JEROME DAVIS GREENE, A M 116 East 63d St., New York, N. Y

 SECRETARY OF THE BOARD OF OVERSEERS

WINTHROP HOWLAND WADE, A.M., LL.B. 99 State St., Boston

 RESIDENT EXECUTIVE BOARD

THE PRESIDENT. THE BURSAR.
 THE COMPTROLLER. THE REGENT.
 THE SECRETARIES TO THE CORPORATION.
 THE RECORDER OF HARVARD COLLEGE.
 THE INSPECTOR OF GROUNDS AND BUILDINGS.
 THE SECRETARY FOR STUDENT EMPLOYMENT.

* Died, June 29, 1917.

COMMITTEES APPOINTED BY THE BOARD OF OVERSEERS, 1917-18

I. STANDING COMMITTEES

EXECUTIVE COMMITTEE. — Louis A. Frothingham, Robert Grant, Frederick C. Shattuck, Howard Elliott, Robert F. Herrick, Jerome D. Greene, Francis L. Higginson, Jr.

COMMITTEE ON ELECTIONS — Frederick P. Fish, Augustus E. Willson, W. Cameron Forbes, William Thomas, Franklin D. Roosevelt

II COMMITTEES TO VISIT SCHOOLS OR DEPARTMENTS OF THE UNIVERSITY

HARVARD COLLEGE. — William R. Thayer, George H. Palmer, J. Pierpont Morgan, Francis L. Higginson, Jr., Louis A. Frothingham, Leonard Wood, Arthur Woods

GRADUATE SCHOOL OF ARTS AND SCIENCES — Francis J. Swayze, Franklin B. Dyer, Edward Robinson, Arthur A. Noyes, Francis B. Gummere, William Preston Few, William K. Richardson, Paul Elmer More

SCHOOL OF ARCHITECTURE. — Owen Wister, R. Clipston Sturgis, J. Harleston Parker, Charles K. Cummings, Henry Forbes Bigelow, Harry J. Carlson, Charles A. Coolidge.

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION. — Howard Elliott, J. Pierpont Morgan, Thomas W. Lamont, Charles W. Eliot, Thomas W. Slocum, John W. Hallowell, Eliot Wadsworth, John S. Lawrence, Charles H. Jones, A. Shuman, Walter C. Baylies, Thomas K. Cummins, Hermann F. Clarke, Howard C. Smith, Donald Scott, Henry W. Marsh.

DIVINITY SCHOOL — George A. Gordon, James DeNormandie, Charles E. Park, Paul Revere Frothingham, Augustus M. Lord, Charles L. Noyes, Charles T. Billings, Francis G. Peabody, B. Preston Clark, William E. Huntington, Woodman Bradbury.

LAW SCHOOL. — Robert Grant, Langdon P. Marvin, William Thomas, Francis J. Swayze, William C. Boyden, William C. Loring, Chandler P. Anderson, Louis D. Brandeis, Charles P. Greenough, Henry L. Stimson, John H. Wigmore, James Byrne.

COMMITTEES APPOINTED BY BOARD OF OVERSEERS 7

MEDICAL SCHOOL — Frederick C Shattuck, William S Thayer, Eliot Wadsworth, J Collins Warren, Charles W Eliot, George B Shattuck, William Sturgis Bigelow, Henry Saltonstall Howe, Charles H Tweed, Harold Williams, Wallace L Pierce, William L Richardson, Charles P Curtis

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- SUMNER CUSHING BROOKS, S.B., PH.D.
Research Fellow in Tropical Medicine, Harvard Medical School, Boston
- BENJAMIN HARRISON RAGLE, A.B., M.D.
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DENTAL SCHOOL

- FRANK PERRIN, D.M.D.
Instructor in Operative Dentistry, 419 Boylston St., Boston
- JERE EDMUND STANTON, M.D., D.M.D.
Lecturer on Dental Materia Medica and Therapeutics, 149 Newbury St., Boston
- FRED MARTIN RICE, A.M.
Instructor in Chemistry, 145 Bacon St., Natick
- WALTER IRVING BRIGHAM, D.M.D.
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Instructor in Operative Dentistry, 43 Bay State Road, Boston
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Allen, Theodore Roosevelt,	<i>New York, N Y</i>	44 Church St
Allison, Dwight Leonard,	<i>E Boston,</i>	225 Lexington St, E Boston
Angell, James Waterhouse,	<i>Chicago, Ill</i>	H'y 18
Arnold, Sigmund,	<i>Braddock, Pa</i>	Dana 33
Aronson, Joseph Manuel,	<i>Somerville,</i>	17 Jacques St, Somerville
Bacon, Edward Leo,	<i>Cambridge,</i>	14 Whitney Ave
Baker, Richard Merriam,	<i>Watertown,</i>	34 Bates R'd, Watertown
Ballantine, John Perry,	<i>Fitchburg,</i>	M 56
Bartlett, George Hodges,	<i>Webster,</i>	26 Mt Auburn St
Batchelder, Roger,	<i>Worcester,</i>	S. 3
Bennett, Edwin Clark,	<i>Somerville,</i>	S 28
Berman, Harry Benjamin,	<i>Roabury,</i>	Dunster 22
Berry, John King, Jr	<i>Providence, R I</i>	S 28
Blodgett, Malcolm,	<i>Woburn,</i>	S 7
Böcher, Frederick,	<i>Cambridge,</i>	T 18
Bornstem, Martin,	<i>Roxbury,</i>	112 Harrishof St, Rox
Boyce, Richard Fyfe,	<i>Lansing, Mich</i>	H. 22
Brehaud, Ellerton James,	<i>Manchester, N H</i>	S. 8
Brentano, Lowell,	<i>Orange, N J.</i>	H 9
Briggs, Russell,	<i>Lexington,</i>	27 Elot R'd, Lexington
Brown, Edward Choate,	<i>Marblehead,</i>	M 56
Brown, Ralph Gascoigne,	<i>New York, N. Y</i>	Dunster 34
Brunswick, David Morris,	<i>New York, N Y.</i>	M. 38
Bump, Albert Howard,	<i>Watertown,</i>	29 Palfrey St, Watertown
Burrage, Walter Swan,	<i>Boston,</i>	H'y 6
Burry, William, Jr.	<i>Chicago, Ill.</i>	H'y 5

Bursteen, Maurice Saunders,	<i>Haverhall,</i>	5 Stamford St., Boston
Butler, Frederick,	<i>Denver, Colo</i>	Fairfax 36
Cares, James John,	<i>Cleveland, O</i>	51 Brattle St
Caploe, Samuel,	<i>Boston,</i>	73 Poplar St., Boston
Carroll, Archer Latrobe,	<i>New York, N Y</i>	Westmorly 42
Catterall, Ralph Tunnicliff,	<i>Boston,</i>	T. 20
Chadsey, Horace Marsh,	<i>Roxbury,</i>	5 Whiting St., Rox.
Chekrezi, Constantin Anastasi,	<i>Koicha, Albania,</i>	28 Mt. Auburn St.
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Cohen, Robert Myron,	<i>Boston,</i>	30 Eliot St., Boston
Cort, Robert Sumner,	<i>Winchester,</i>	M. 38
Collier, Gerard Albert,	<i>Cambridge,</i>	2 Leonard Ave
Collins, Paul Gregory,	<i>Seranton, Pa</i>	T. 10
Cooper, James,	<i>Syracuse, N Y</i>	H'y 23
Corcoran, John Hubert, Jr	<i>Cambridge,</i>	50 Lexington Ave.
Currie, Warren Gilbert,	<i>Cambridge,</i>	376 Harvard St.
Curtis, Harmon Albert,	<i>Dorchester,</i>	M. 42
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Dana, Herman,	<i>Brighton,</i>	7 Melton R'd, Brighton
Danehy, Timothy Francis, Jr	<i>Somerville,</i>	44 Pearson Ave., Somer.
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Davis, Hallowell,	<i>Brookline,</i>	T. 16
Davis, Harold Truscott,	<i>Waterbury, Conn.</i>	II. 28
Deak, William Steven,	<i>Rahway, N. J</i>	T. 40
De Meritt, Franklin,	<i>Watertown,</i>	11 Olney St., Watertown
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Donovan, Paul Vincent,	<i>Rockland,</i>	T. 22
Drake, Leo Berthier,	<i>Newfoundland, N J.</i>	78 Mt. Auburn St.
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Dunton, Sewell Nightingale,	<i>Cireleville, O</i>	S. 20
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Fales, Harold Eugene,	<i>Attleboro,</i>	2 Holyoke St.
Fay, Arthur Dudley,	<i>Nahant,</i>	II. 14
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Fisher, Thomas Hart,	<i>Chicago, Ill</i>	H'y 6
Fogg, Wendell Frederick,	<i>Boston,</i>	W. 36
Foster, Duncan Graham,	<i>Boston,</i>	H'y 18
Francis, Augustine Shurtleff,	<i>Brookline,</i>	H'y 20
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French, Edward Vestal,	<i>Harvard,</i>	78 Mt Auburn St
Fried, Oscar Karl,	<i>Jamestown, No Dak</i>	II 20
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Gaudner, Allen Raymond,	<i>New Bedford,</i>	2 Holyoke St
Gardner, Warren Henry,	<i>Ottumwa, Ia</i>	H 12
Gilligan, Arthur Chew,	<i>Natick,</i>	S 16
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	<i>632 Commonwealth Ave , Newton Centre</i>	
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Gordy, Samuel Tobias,	<i>Philadelphia, Pa</i>	T 40
Gorman, Robert Nestor,	<i>Cincinnati, O</i>	Russell 4
Gotlieb, Julius,	<i>E Boston,</i>	199 Chelsea St , E Boston
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Henry, Clifford West,	<i>New York, N Y</i>	H'y 16
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Kennedy, Horace Sears,	<i>Weston,</i>	Weston
Kiernan, Edmund,	<i>Somerset, Pa</i>	H. 22

Krotzer, Paul Park,	<i>Le Claire, Ia.</i>	H. 12
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Larkin, Oliver Waterman,	<i>Georgetown,</i>	48 Oakley R'd, Belmont
La Tour, Harold Ambrose,	<i>Elmhurst, L I, N Y</i>	S. 3
Leon, Harry Joshua,	<i>Worcester,</i>	101 Beacon St., Chelsea,
Levin, Mayer Sidney,	<i>Terre Haute, Ind</i>	M. 11
Lewis, Kassel O,	<i>New York, N. Y</i>	Russell 14
Likins, Vance Fisher,	<i>Cambridge,</i>	448 Broadway
McCabe, Edward Holland,	<i>Lawrence,</i>	W. 17
McComb, Arthur Kilgore,	<i>Baltimore, Md</i>	Westmorly 41
MacDonald, Milton Tenney,	<i>Methuen,</i>	12 Pleasant St., Methuen
MacDonell, Alexander Dalzell,	<i>Lima, O</i>	78 Mt. Auburn St.
MacGregor, Frank Silver,	<i>W. Somerville,</i>	T. 1
McGuire, Hugh Burdette Monson,	<i>Portland, Ore</i>	H'y 10
McIndoe, William Cavanaugh,	<i>Washington, D C.</i>	H'y 16
MacIntyre, Henry Norwell,	<i>Brighton,</i>	S 16
McKee, Gordon Norfolk,	<i>Dorchester,</i>	T. 1
Mackenzie, Donald James,	<i>Chestnut Hill,</i>	155 Chestnut Hill R'd, Chestnut Hill
MacLachlan, Kenneth Long,	<i>Mcrose,</i>	S. 10
McLean, Allen Drummond,	<i>Plymouth,</i>	H. 17
Malkiel, David,	<i>Dorchester,</i>	15 Esmond St., Dor.
Maloney, Albert Seeley,	<i>Lockport, N. Y.</i>	M. 41
Mattuck, Bernard Jonathan,	<i>Brooklyn, N. Y.</i>	H'y 15
May, Richard Arnold,	<i>Groton,</i>	S. 17
Miller, Leigh Veasey,	<i>Peabody,</i>	2 Holyoke St
Miller, Richard Boyce,	<i>Independence, Kan.</i>	1 Waterhouse St.
Montgomery, Hamilton,	<i>Chicago, Ill.</i>	H'y 20
Moore, Henry Percival,	<i>Mattapan,</i>	749 Morton St., Mattapan
Moses, Walter Harper,	<i>New Orleans, La</i>	W. 29
Murai, Taro,	<i>Riverside, Conn.</i>	T. 35
Myrick, Kenneth Orne,	<i>Hammonton, N. J.</i>	G. 25
Nicholson, Toland Kirk,	<i>Pittsburgh, Pa.</i>	Westmorly 142
Nutting, Newell Emmons,	<i>Meredith, N. H.</i>	Fairfax 23
O'Keeffe, Daniel Joseph,	<i>Brighton,</i>	H. 1
Parker, Franklin Eddy, Jr.	<i>Bay City, Mich.</i>	H'y 5
Parsons, Eben,	<i>Wolfeboro, N H.</i>	S. 17
Perkins, Everett Preston,	<i>Brooklyn, N. Y.</i>	H. 19
Place, Russell Pope,	<i>Cambridge,</i>	H'y 23
Plummer, Edward Robbins,	<i>Cambridge,</i>	465 Putnam Ave.
Plunkett, William Clement,	<i>Washington, D. C.</i>	W. 15

Prindeville, Charles Trego,	Chicago, Ill.	H 24
Prosser, William Lloyd,	Minneapolis, Minn	H'y 20
Pruyn, Erving,	Mount Kisco, N Y.	S. 31
Pulsifer, George Hale,	Newtonville,	S. 27
Quimby, Harold Warner,	Wakefield,	W 24
Rabinovitz, Morris Jacob,	Cambridge,	275 River St
Rice, Willard Wadsworth,	Newton Centre,	S. 30
Richardson, David Lord,	Boston,	H'y 6
Ring, Samuel,	Everett,	48 Mt. Auburn St
Ritvo, Max,	Dorchester,	44 Westville St., Dor
Robinson, Harold Clinton,	McComb, O.	T 66
Roclofs, Richard, Jr	Cripple Creek, Colo	H'y 10
Rosenfield, Isadore,	Roxbury,	357 Charles St., Boston
Rowland, Durbin Wappner,	Toledo, O	7 Ashton Pl
Rowse, Edward Francis,	St Louis, Mo	H'y 2
Rudman, Maurice Aaron,	Roxbury,	17 Elm Hill P'k, Rox
Sayer, Benjamin Waggoner,	Warwick, N Y.	H. 16
Scanlan, James Conlan,	Somerville,	S. 10
Schwab, William Str,	St Louis, Mo	H'y 1
Schwartz, David Trautman,	New Orleans, La	W. 29
Sexton, John Joseph,	Cambridge,	360 Putnam Ave
Shaefer, Wilham Ernest,	Wolcottville, Ind	T 63
Shaughnessy, Charles Stephen,	Ashland,	H 17
Shulman, Max Joseph,	Malden,	61 Almont St., Malden
Smith, Philip Hillyer,	Princeton, N J	T 24
Smith, Thomas Arthur,	East Ely, Nev.	S. 4
Sprague, Howard Burnham,	Swampscott,	T. 19
Spunt, David,	Winthrop,	Russell 8
Starbird, George Morrison,	Somerville,	T. 64
Stephens, Frederick Howard,	Dorchester,	147 Ashmont St., Dor
Stern, Boris,	St. Louis, Mo.	M. 19
Stiles, Richard Jordan,	Portland, Me.	2 Holyoke St.
Stuart, John Rollin, 3d,	Newton Centre,	Randolph 43
Sullivan, Arthur Edmund,	Roxbury,	33 Forest St., Rox
Sullivan, Daniel Francis,	Fall River,	Fairfax 29
Sullivan, Winthrop Edward,	Watertown,	S. 4
Supple, Gilbert,	Dorchester Centre,	34 Algonquon St., Dor. Centre
Swope, Leslie Miller,	Abbeville, S C.	364 Harvard St
Sze, Fred Chi-yuan,	Shanghai, China,	106 Hammond St
Tager, Arthur William,	New York, N. Y	Russell 14
Taylor, Grantley Walder,	Paterson, N. J.	T. 20
Thiery, Raymond Donle,	Somerville,	34 Central St., Somer

Thomas, Charles Samuel,	<i>Rockford, Ill.</i>	II. 19
Tirrell, David Albert,	<i>Melrose,</i>	H. 24
Toye, Sumner Bailey,	<i>Cambridge,</i>	222 Hamilton St
Treble, Hector William,	<i>Buffalo, N Y.</i>	3 Sumner R'd
Tucker, Rexford Sample,	<i>Arlington,</i>	II'y 17
Vandermeer, Dirk J,	<i>Hospers, Ia</i>	W. 18
Vaughan, Victor Hall,	<i>Kingston, N Y</i>	M. 48
Waldstem, Samuel,	<i>Boston,</i>	47 Allen St., Boston
Walker, Henry Simon.	<i>Scarborough, Me.</i>	S. 12
Ward, John Herbert,	<i>Roxbury,</i>	38 School St., Rox
Watjen, Harold Palmer.	<i>Pawtucket, R I</i>	W. 20
Weinberg, Eugene Rudolph,	<i>Morris Plains, N J.</i>	T. 17
Wheeler, Leeds Armstrong,	<i>Allston,</i>	H'y 24
Whitman, Allen Lee,	<i>Cambridge,</i>	H'y 2
Whitney, Frederic Ruggli,	<i>Watertown,</i>	164 Appleton St.
Whittemore, George Alan,	<i>Brookline,</i>	H'y 12
Willard, Victor Harry,	<i>Cambridge,</i>	59 Sacramento St.
Williams, Gonsalvo Cotobus, Jr.	<i>Columbia, S C</i>	W. 48
Wise, Henry,	<i>Boston,</i>	11 James St., Boston
Wolf, Francis Colt de,	<i>Bristol, R I</i>	Westmorly 41
Zach, Leon Henry,	<i>Roxbury,</i>	S. 7

JUNIOR CLASS

Adams, Benjamin Faneuil Dunkin,	<i>Boston,</i>	Claverly 38
Adelson, Samuel William,	<i>Dorchester,</i>	12 Harlem St., Dor.
Ahlers, Francis Gilman,	<i>Providence, R. I.</i>	Russell 2
Alberts, Harold,	<i>Dorchester,</i>	29 Brinsley St., Dor.
Albright, John Joseph, Jr	<i>Buffalo, N. Y.</i>	Claverly 30
Allen, Paul, Jr.	<i>New York, N Y.</i>	Russell 2
Allen, William Rowland,	<i>Boston,</i>	149 Newbury St., Boston
Allport, Gordon Willard,	<i>Cleveland, O</i>	S. 23
Almy, William Forrester, Jr	<i>Fall River,</i>	Claverly 38
Alpern, Henry,	<i>Pittsburgh, Pa.</i>	Russell 5
Ames, John Worthington, Jr	<i>Cambridge,</i>	5 Phillips Pl
Baird, Philip Pollock, Jr.	<i>Oklahoma City, Okla.</i>	26 Mt. Auburn St.
Baker, James Scott,	<i>Washington, D. C</i>	T. 27
Baker, Newcombe Chandler,	<i>New York, N. Y.</i>	Dunster 25
Barclay, George Carey,	<i>New York, N. Y.</i>	Claverly 51
Barstow, Thomas Tilson,	<i>Wollaston,</i>	T. 8
Bartholomay, Henry Conrad,	<i>Chicago, Ill.</i>	Westmorly 32
Barton, Basil Egbert,	<i>Forest Hills, 69 Wenham St., Forest Hills,</i>	
Batchelder, Philip,	<i>Peterboro, N. H</i>	Russell 19

Baxter, Charles Edward, Jr	<i>E Northfield,</i>	25 Harvard St , Boston
Beckett, Frank Newton, Jr	<i>Calais, Me</i>	T 63
Bell, Donald Harris,	<i>Beverly,</i>	W 24
Bennett, Percy Henry,	<i>Cambridge,</i>	3 Blackstone St
Bertschmann, Jean Jacques,	<i>New York, N Y</i>	Dunster 15
Billings, Edmund, Jr	<i>Jamaica Plain,</i>	33 Bow St
Bing, Louis S, Jr	<i>Cleveland, O</i>	H'y 13
Blum, Charles, Jr	<i>New York, N Y</i>	Dunster 52
Bogart, Morgan Odell Vaude,	<i>Milwaukee, Wis</i>	53 Dunster St
Bond, David Samuel,	<i>Roxbury,</i>	10 Marcella St , Rox
Boyd, Laurence Herbert,	<i>E Bridgewater,</i>	38 Quincy St
Brewer, William Miles,	<i>Ellberton, Ga</i>	39 Parker St
Bright, Alexander Harvey,	<i>Cambridge,</i>	33 Bow St
Brightfield, Myron Frankhn,	<i>St Louis, Mo</i>	S. 5
Brinton, Clarence Crane,	<i>Springfield,</i>	T 12
Bromwell, Matthew Scott,	<i>Washington, D C</i>	Randolph 7
Bronstein, Abraham Israel,	<i>Cambridge,</i>	220 Prospect St
Brown, Arthur Wells,	<i>Springfield,</i>	T 8
Brownell, George Abbott,	<i>New York, N Y</i>	Claverly 6
Burdett, Richard Elhs,	<i>Springfield,</i>	T 46
Busher, Robert Emmet,	<i>Cleveland, O</i>	27 Ware St
Bushnell, Robert Tyng,	<i>Andover,</i>	52 Mt Auburn St.
Caffrey, James Joseph,	<i>So Boston,</i>	Claverly 36
Campbell, John Ray, Jr	<i>Dorchester,</i>	31 Everton St , Dor
Canfield, Cass,	<i>New York, N Y</i>	Claverly 45
Caplan, Herman,	<i>Pittsburgh, Pa</i>	T 33
Carr, Raymond Leroy,	<i>Pittsfield, N H</i>	M 48
Casey, Robert Pierce,	<i>Dorchester,</i>	114 Park St , Dor
Caswell, Francis Alonzo,	<i>Salem,</i>	7 North C't, Salem
Chase, Herbert Shank,	<i>Titusville, Pa</i>	Randolph 38
Chase, Kenneth,	<i>Amesbury,</i>	10 Oxford St
Chase, Maurice Lovejoy,	<i>Cambridge,</i>	287 Huron Ave.
Clapp, Roger Saunders,	<i>Lexington,</i>	T 46
Cochran, John Joseph,	<i>Natick,</i>	Claverly 36
Cohen, Alfred,	<i>Dorchester,</i>	243 Columbia R'd, Dor
Cohen, Archibald George,	<i>Dorchester,</i>	219 Columbia R'd, Dor
Cohen, Harry Abraham,	<i>Roxbury,</i>	49 Hollander St , Rox
Cohen, Leo Aaron,	<i>Gardner,</i>	M 17
Coleman, John Stanley,	<i>Cambridge,</i>	Claverly 4
Connolly, Harold William,	<i>Dorchester,</i>	7 Fenno Pl , Dor
Connolly, Thomas Deignan,	<i>Dorchester,</i>	31 Lonsdale St , Dor
Coulter, Charles James,	<i>Tuxedo Park, N Y.</i>	Claverly 53

Coy, William Brooks,	Medford,	104 Dudley St., Medford
Coyne, Bernard Burrell,	Grangemille, Idaho,	48 Auburn St.
Crafts, Andrew Fisher,	E Boston,	301 Maverick St., E Boston
Cranston, Arnold Beardsell,	Cambridge,	176 Upland R'd
Craver, Harold Wilson,	Youngstown, O	S 6
Critz, Douglas Strouse,	Salem, Va.	1200 Mass. Ave.
Crosby, Maurice Hayes,	Allston.	18 Mansfield St., Allston
Crosscup, Lincoln,	Wollaston,	2 Holyoke St
Crumbacher, James Bower,	Independence, Ia	Claverly 55
Crystal, Fabian Monroe,	New York, N Y.	Fairfax 34
Cummings, Albert Francis,	Dorchester.	8 Howes St., Dor.
Cunningham, John Philip,	Medford,	S 8
Cunningham, Robert Alexander,	Newton,	129 Jewett St., Newton
Curry, John Joseph,	Cambridge,	101 Antrim St.
Cutler, Nathaniel Rust,	Brookline,	35 Bow St
Dailey, James Henry Francis,	Fall River,	Fairfax 30
Damon, Edwin Baxter,	Wayland,	Wayland
Davidson, Julius,	Weehawken, N. J	D 1
Davis, Jacob,	Pittsburgh, Pa	H'y 21
De Bellis, Benedict Victor,	Boston,	120 Malden St., Boston
Demarest, Frederick Van Busknk,	Woodbridge, N. J.	53 Dunster St.
Dexter, William,	Boston,	Randolph 9
Diluzio, Louis,	Newton Centre,	173 Langley R'd, Newton Centre
Dimond, Francis Christopher,	Boston,	T. 4
Dingwell, Earle Charles,	Orient Heights,	68 Butler Ave., Orient Heights
Dolan, Louis,	Pearl River, N Y.	H 3
Dole, William Andrews, Jr	Melrose,	Fairfax 14
Donaldson, Richard George Walker,	Cambridge,	48 Hawthorn St.
Donnelly, Ralph Langdon,	Brighton,	19 South St., Brighton
Donovan, Alfred Francis,	Rockland,	Westmorly 31
Draper, Copeland Mitchell,	Milton,	Claverly 32
Dunham, Stillman Roberts, Jr.	Allston,	T. 46
Durfee, Randall Nelson, Jr.	Fall River,	35 Bow St.
Efroymsen, Clarence Walter,	Indianapolis, Ind.	Fairfax 21
Elliott, Paul Blodgett,	Dorchester,	Randolph 3
Elman, Robert,	Syracuse, N. Y.	T. 52
Emery, George Woodman,	Lexington,	53 Dunster St.
Emery, Loring Lord,	Louviers, Colo.	Fairfax 11
Enslin, Morton Scott,	Somerville,	156 Sycamore St., Somer.
Fahy, John Patrick,	Cambridge,	56 Plympton St.
Falk, Stanley Geismer,	Buffalo, N. Y.	G. 19
Faxon, Francis Bradford,	Wellesley,	1 Winthrop Sq.

Fechheimer, Marcus,	<i>Cincinnati, O</i>	Fairfax 39
Fein, Harry Hyman,	<i>Dorchester,</i>	48 Fowler St, Dor
Fenn, Dan Huntington,	<i>Cambridge,</i>	5 Divinity Ave
Firing, Abraham Mordecai,	<i>Dorchester,</i>	112 Elmo St, Dor.
Fishback, Frederick Coleman,	<i>Washington, D C</i>	T 27
Fisher, Floyd Hockman,	<i>Hauptpauge, L I., N Y</i>	Randolph 38
Fisher, Frederick Taylor,	<i>Chicago, Ill.</i>	Claverly 6
Fitzgerald, Harold George,	<i>Lawrence,</i>	W. 17
Flynn, George Daniel, Jr	<i>Fall River,</i>	Beck 45
Fosgate, Charles Marshall,	<i>Cambridge,</i>	106 Raymond St
Foss, Walter Rolland,	<i>Wooster, O</i>	T 25
Frary, James Mortimer,	<i>Rochester, N Y</i>	T 49
Frazier, Robert Alexander,	<i>Medford,</i>	11 Otis St, Medford
Friedman, Abram Ellis,	<i>Roxbury,</i>	383 Warren St, Rox
Friedmann, George,	<i>Reading, Pa</i>	W. 26
Fryefield, Maurice,	<i>Cambridge,</i>	469 Windsor St.
Fuller, Carlton Perry,	<i>Mansfield,</i>	Fairfax 37
Fuller, William Eddy,	<i>Fall River,</i>	Fairfax 37
Furber, Edward Parker,	<i>Concord,</i>	Russell 15
Garceau, Grenville Gilbert,	<i>Dedham,</i>	35 Bow St
Gay, Edward Randolph,	<i>Cambridge,</i>	57 Francis Ave
Gay, Harold Joseph,	<i>Troy, N H</i>	T 11
Gerstle, Mark Lewis, Jr.	<i>San Francisco, Cal</i>	Dunster 18
Geyer, Lawrence Brooks,	<i>Cambridge,</i>	18 Mt Auburn St
Gibbons, John Thomas,	<i>Maynard,</i>	57 Summer St, Maynard
Gillett, Glenn Dewey,	<i>Goldendale, Wash</i>	42 Kirkland St.
Ginn, Edwin,	<i>Boston,</i>	62 Beacon St, Boston
Glover, John Lamson,	<i>Ipswich,</i>	T. 61
Godkin, James Kenneth,	<i>Dorchester,</i>	69 Mt Ida R'd, Dor.
Goldman, Joseph,	<i>Boston,</i>	14 Irving St., Boston
Goldsmith, Ernest Henry,	<i>Pueblo, Colo</i>	M. 8
Goldstein, Benjamin Abraham,	<i>Detroit, Mich</i>	Russell 3
Goodhue, Merrill Miner,	<i>Boston,</i>	366 Commonwealth Ave., Boston
Gordon, Ellis,	<i>New York, N Y</i>	Dunster 22
Gordon, Louis Judah,	<i>Springfield,</i>	58 Hammond St.
Grady, Maurice William,	<i>Milford,</i>	H. 1
Gray, Stephen Minot Weld,	<i>Boston,</i>	7 Mt. Vernon Pl, Boston
Greenberg, Thomas Harold,	<i>Dorchester,</i>	M. 16
Greene, Edwin,	<i>New York, N Y.</i>	60 Mt. Auburn St.
Greene, John Morton, 2d,	<i>Lowell,</i>	Randolph 44
Greenlaw, Roger Field,	<i>Dedham,</i>	T. 55
Greenman, Raymond Henshaw,	<i>Milwaukee, Wis.</i>	H. 31

Gross, Robert Ellsworth,	<i>W Newton,</i>	Randolph 37
Gross, Sydney Arthur,	<i>Philadelphia, Pa</i>	S. 6
Gudeman, Richard M,	<i>Chicago, Ill</i>	Fairfax 15
Guild, Donald Stuart,	<i>W Roxbury,</i>	S. 32
Haggart, William Waugh,	<i>Durango, Colo</i>	61 Oxford St.
Hale, Joseph Daniels,	<i>So Boston, 16 Old Harbor St , So Boston</i>	
Hall, Lawrence Percival,	<i>Montclau, N J</i>	Russell 15
Hammond, John Carnahan,	<i>Chicago, Ill</i>	Westmorly 32
Harrington, George Louis,	<i>Buffalo, N Y</i>	T. 14
Harris, Nathaniel Lothrop,	<i>Dedham,</i>	Westmorly 104
Harvey, William Bradbury,	<i>Watertown,</i>	19 Oliver St., Watertown
Hatch, Francis Whiting,	<i>Medford,</i>	Dunster 35
Hawkins, Maxwell Allen,	<i>Chicago, Ill</i>	Dunster 34
Healy, John Joseph, Jr	<i>Dorchester,</i>	Claverly 36
Henry, James Everell,	<i>Cambridge,</i>	1572 Mass Ave
Heppenheimer, William Chris- tian, Jr	<i>Jersey City, N. J</i>	Dunster 15
Hettleman, William,	<i>Baltimore, Md</i>	M. 57
Hill, Edward Armitage,	<i>Bronxville, N Y.</i>	Randolph 3
Hill, Harold Benjamin,	<i>Hartford, Conn</i>	T. 58
Hinners, Howard Edward,	<i>Milwaukee, Wis</i>	C't 4
Hochhem, William Anton,	<i>Somerville,</i>	11 Auburn Ave., Somer.
Hoffman, Robert,	<i>E Boston,</i>	T 57
Hoffmann, Walter Wesselhoeft,	<i>Kansas City, Mo</i>	78 Mt. Auburn St.
Holland, Daniel Francis,	<i>Fall River,</i>	120 Mt. Auburn St.
Holmes, Frederick William,	<i>Milford,</i>	T 8
Hooke, Robert Gay,	<i>Dorchester,</i>	T. 51
Hooper, William Daniel,	<i>Chester, S. C.</i>	T. 58
Hubbard, Edward Lawrence,	<i>Cambridge,</i>	36 Arlington St.
Hull, Denison Bingham,	<i>Chicago, Ill.</i>	Randolph 44
Hull, Vernam Edward Nunnemacher,	<i>New York, N Y</i>	Randolph 29
Hunter, Frank Tennerly,	<i>Tampa, Fla</i>	44 Church St.
Jackson, Leonard,	<i>Newton Centre,</i>	Claverly 4
Jenkins, Ralph Brewerton,	<i>Washington, D. C.</i>	Claverly 30
Johnson, Jerome Allen,	<i>Cambridge,</i>	90 Raymond St.
Jones, Lucius Paine,	<i>Harwich,</i>	M. 27
Joseph, Herman Black,	<i>Cleveland, O.</i>	H'y 21
Kelso, Albert Donald,	<i>Walden, N. Y.</i>	T. 61
Kestnbaum, Meyer,	<i>New York, N. Y</i>	T. 2
Kettelle, John Dunster,	<i>Cambridge,</i>	W. 25
Kiggen, John Augustine, Jr.	<i>Hyde Park,</i>	T 36
Killam, Roger Wilson,	<i>Cambridge,</i>	51 Avon Hill St.

Kingsbury, Ralph,	<i>Cranford, N. J</i>	S 26
Kirshen, Simon,	<i>Cambridge,</i>	474 Windsor St
Kreimer, Herbert Frederick,	<i>Cincinnati, O</i>	2 Holyoke St
Kum, King-seen,	<i>Shanghai, China,</i>	Dana 42
Kuposky, Abraham Isaac,	<i>Dorchester,</i>	46 Angell St., Dor
Kutz, Isaac Henry,	<i>Syracuse, N Y</i>	T 28
Lamb, Arthur Motter,	<i>Cambridge,</i>	14 Hillard St
Lang, Norman McKee,	<i>Oakland, Cal</i>	Russell 7
Langenthal, Josiah Manuel,	<i>E Boston,</i>	221 Lexington St., E Boston
Larrabee, Charles Rollin,	<i>Chicago, Ill</i>	Randolph 70
Lee, Gorham Morse,	<i>Boston,</i>	Fairfax 18
Levenson, Walter Sabin,	<i>Roxbury,</i>	Russell 5
Levinson, Ronald Bartlett,	<i>Chicago, Ill</i>	Dunster 33
Levy, James Shuttleworth,	<i>Louisville, Ky</i>	Russell 1
Lincoln, Danforth Ballou,	<i>Dorchester,</i>	29 Percival St., Dor
Lincoln, John Larkin, 2d,	<i>Boston,</i>	Claverly 40
Linder, John Farlow, Jr	<i>Canton,</i>	York St., Canton
Lloyd, Robert McAllister, Jr	<i>New York, N Y</i>	Randolph 37
Looney, William Francis,	<i>Dorchester,</i>	26 Bellflower St., Dor.
Loring, William Ellery,	<i>Westwood,</i>	Russell 19
Love, John Dudley,	<i>Lexington,</i>	Dana 24
Lucas, Edwin Earle,	<i>Sound Beach, Conn</i>	Randolph 45
Luessenhop, Martin Luther,	<i>Newberry, Ind</i>	M 15
Lurie, Reuben Levi,	<i>Dorchester,</i>	327 Seaver St., Dor
Lynch, John Gardiner Fenimore,	<i>Wayne, Pa</i>	S 23
Lynn, David Emery,	<i>Youngstown, O</i>	Fairfax 37
McCarthy, Frank Eugene,	<i>Dorchester,</i>	103 Sawyer Ave., Dor
McConaughy, Francis Benedict,	<i>Cincinnati, O</i>	Fairfax 21
MacDonald, James Russell Lowell,	<i>Butte, Mont</i>	Hollis 20
McElroy, Joseph Prince,	<i>Brooklyn, N. Y</i>	G. 9
Mack, William Jacob, 3d,	<i>Cincinnati, O</i>	Fairfax 21
McLeod, Ralph Collingwood,	<i>Brockton,</i>	2 Holyoke St.
McLeod, Willard Wise,	<i>Malden,</i>	Randolph 40
MacVeagh, Charles, Jr.	<i>Monadnock, N H</i>	Randolph 28
Madigan, George Augustine,	<i>Rochester, N. Y</i>	Claverly 37
Maraniss, Herman Spergol,	<i>Dorchester,</i>	Dunster 22
Marks, Horace,	<i>Nantucket Island,</i>	53 Dunster St
Mendelsohn, George,	<i>Boston,</i>	36 No Russell St., Boston
Mitchell, William Henry, Jr	<i>Newton Centre,</i>	Dana 23
Moffat, Jay Pierrepont,	<i>New York, N Y</i>	Randolph 8
Moore, Donald Stephen,	<i>Newton,</i>	M. 2
Morse, Alan Richard,	<i>Brookline,</i>	Hy 13

Morss, Charles Anthony, Jr.	<i>Chestnut Hill,</i>	Dunster 35
Murphy, Wallace Harold,	<i>Jamaica Plain, 31 Robinwood Ave., Jam Pl.</i>	
Myers, John Sherman	<i>Cambridge,</i>	Fairfax 33
Naiman, Moses,	<i>Dorchester,</i>	33 Michigan Ave., Dor
Nehlsen, Herman Frederick,	<i>Davenport, Ia.</i>	M. 47
Nelson, Arthur Reynold,	<i>South Woodstock, Conn</i>	T. 51
Nesson, Julius Imman,	<i>Brookline,</i>	Dunster 31
Noonan, John Thomas,	<i>Great Barrington.</i>	II. 3
Norman, Simon,	<i>Woonsocket, R. I</i>	48 Mt. Auburn St.
Noyes, William, 3d.	<i>Jamaica Plain,</i>	T. 24
Odell, William Rice, Jr	<i>Chicago, Ill</i>	Claverly 41
O'Neill, Herbert Whiteside,	<i>Boston,</i>	1 Joy St., Boston
O'Shea, Thomas Joseph,	<i>Peabody,</i>	Randolph 18
Owen, Franklin Sanborn,	<i>Brookline,</i>	56 Cummings R'd, B'kline
Parkman, Francis,	<i>Boston,</i>	Claverly 45
Parsons, James Russell,	<i>New York, N. Y</i>	Randolph 7
Partridge, Richard Clare,	<i>Jamaica Plain,</i>	Fairfax 18
Patterson, Robert Allen,	<i>Bangor, Me</i>	M. 35
Pearson, Philip Clifton,	<i>Greenwich, Conn</i>	Westmorly 34
Pell, Howland Haggerty, Jr	<i>Westbury, L. I., N. Y.</i>	Randolph 45
Perkins, Arthur,	<i>Ogden, Utah,</i>	S. 25
Perkins, Benjamin Chute,	<i>Fitchburg,</i>	Fairfax 26
Perkins, Francis Davenport,	<i>Jamaica Plain,</i>	Fairfax 27
Peters, John Henry, Jr	<i>Toronto, Can.</i>	Westmorly 26
Pickering, John, Jr	<i>Salem,</i>	20 Holyoke St.
Pierce, Roger,	<i>Cambridge.</i>	Randolph 21
Pierce, Stephen Snow,	<i>Boston,</i>	T. 54
Pike, Lawrence Hathaway,	<i>Lawrence,</i>	T. 9
Pineda, Emilio Rosendo,	<i>Mexico City, Mex.</i>	52 Mt. Auburn St.
Pitman, Arthur Loring,	<i>Salem,</i>	T. 38
Pollack, Benjamin Fisher,	<i>Boston,</i>	13 Anderson St., Boston
Pratt, Edwin Judson,	<i>Brookline.</i>	Chestnut Pl., Brookline
Quint, Arthur.	<i>Malden,</i>	Russell 8
Quinn, John Henderson,	<i>Manchester, N. H</i>	Randolph 41
Reardon, Ralph Werner,	<i>Roxbury,</i>	15 Sunnyside St., Rox.
Reynolds, Horace Mason,	<i>Philadelphia, Pa.</i>	Wadsworth 11
Rezneck, Samuel,	<i>Chelsea,</i>	28 Arlington St., Chelsea
Rice, Philip Wentworth,	<i>Brookline,</i>	T. 12
Richards, Eben, Jr.	<i>Tuxedo Park, N. Y</i>	Westmorly 1
Richardson, Laurance,	<i>Brookline,</i>	II. 27
Richardson, Myron Turner,	<i>Salisbury,</i>	W. 26
Rivers, Edward Francis,	<i>Boston,</i>	34 Hubbard Ave.

Rogers, Milton Avery,	Dedham,	Russell 26
Rojas, Nicholas R,	Sucre, Bolivia, S A	10 Dana St.
Rooney, Joseph Holland,	Somerville,	55 Columbus Ave., Somer
Rosenberg, Jesse Myer,	Portland, Me	M 25
Rubenstein, Arthur Herman,	Dorchester,	11 Michugan Ave., Dor
Rudner, Otto,	Trenton, N J	Claverly 57
Rupp, Charles Andrew, Jr	Salem,	164 Federal St, Salem
Sandberg, Allan Abraham,	Boston,	4 Oneida St, Boston
Sateriale, Albert Mariano,	Cambridge,	282 Western Ave
Saxton, Harold Winfield,	Cambridge,	161 Hancock St
Schein, Ernest,	Chicago, Ill	Claverly 35
Schmalz, Carl Nelson,	Hunley, Ill	M 53
Scholes, France Vinton,	Bradford, Ill	M. 53
Scholle, Hardinge,	New York, N Y	51 Brattle St
Schwulst, Earl Bryan,	Dallas, Tex	T. 38
Scully, Benjamin Charles, Jr	Cambridge,	24 Amory St.
Sears, Harold Tillinghast,	Monson,	Randolph 40
Selg, Walter Theodore,	Brookline,	Beck 27
Shattuck, Mayo Adams,	Columbus, O	S 20
Shaw, Quincy Adams, Jr.	Boston,	Randolph 9
Shechan, Joseph Daniel,	Dorchester,	3 Hartford St, Dor.
Sherman, Essleek Sheldon,	Rye, N. Y.	Dunster 14
Sherwood, Robert Winfield,	Sidney, N. Y.	32 Shepard St.
Skinner, Alfred Loring,	Candia, N H.	T. 3
Sloane, Reginald Gordon Robert,	Sands Point, L. I., N Y	H'y 4
Slocum, Alvah Hovey,	Hubbardston,	364 Harvard St
Smith, Chester Warren,	Cliftondale,	712 Broadway, Cliftondale
Smith, Luther Wesley,	Roxbury,	15 Holborn St, Rox
Smith, Maurice,	Pittsburgh, Pa	T 38
Snowman, Robert Edward,	Springfield,	S. 22
Solomon, Bennett,	Roxbury,	61 Intervale St, Rox.
Solomont, Sidney Leo,	Malden,	Russell 5
Spaulding, William Ellsworth,	Cleveland, O.	M 21
Squire, Reginald Trowbridge,	Arlington,	2 Holyoke St.
Stanetsky, Harry Moses,	Dorchester,	42 Johnston R'd, Dor.
Steiner, Laurence Simon,	New York, N Y	S. 18
Stephos, Arthur George,	Almyros, Greece,	30½ Mellen St.
Stern, Samuel,	Boston,	113 Chambers St., Boston
Stevens, Ames,	Lowell,	Randolph 45
Stevens, Stanford Huntington,	Boston,	Russell 26
Stewart, Harold Arthur,	Dorchester,	W. 18
Strehlke, George Louis,	Montrose, Colo.	53 Dunster St.

Strong, Donald Adair,	<i>Columbia City, Ind.</i>	Fairfax 19
Sullivan, John Francis, Jr	<i>Dorchester,</i>	19 Roseclaire St., Dor
Suravitz, Benjamin Norman,	<i>Scranton, Pa</i>	M. 15
Swan, Channing Stearns,	<i>Stoughton,</i>	35 Bow St.
Swart, William Roby,	<i>Nashua, N H</i>	Randolph 41
Taylor, Martin Allison, Jr.	<i>Haverhill,</i>	Claverly 32
Tenney, Vernon Edward,	<i>Honolulu, Hawaii,</i>	S. 29
Thompson, Harold Harvard		
Rumford,	<i>Worcester,</i>	II'y 4
Thompson, Harold Sydney,	<i>Dorchester,</i>	103 Brook Ave., Dor.
Thoron, Benjamin Warder,	<i>Colorado Springs, Colo</i>	Randolph 7
Tildsley, John Lee, Jr.	<i>New York, N. Y</i>	Fairfax 14
Tingey, Harold Calvert,	<i>Haverhill,</i>	T. 4
Tisdale, Harold Theodore,	<i>Allston,</i>	5 Ashford C't, Allston
Tribble, Andrew Feld,	<i>Kansas City, Mo</i>	Claverly 6
Tucker, Chester Everett,	<i>W Fitchburg,</i>	T. 9
Turnbull, Frederick Hilton,	<i>Cambridge,</i>	2 Mercer Circle
Turner, Frederick Carleton,	<i>Cambridge,</i>	94 Avon Hill St
Ufford, Cehan,	<i>Spokane, Wash.</i>	20 Holyoke St.
Van Bergh, Joseph Alvin,	<i>Atlantic City, N. J.</i>	Fairfax 20
Waldman, Nathaniel Edwin,	<i>Brooklyn, N. Y.</i>	M. 57
Wales, Ralph Huntington,	<i>Chestnut Hill,</i>	Claverly 15
Warburg, Frederick Marcus,	<i>New York, N. Y</i>	Beck 22
Ward, Lewis Edes,	<i>Watertown,</i>	66 Palfrey St., Watertown
Warren, Langford,	<i>Brookline,</i>	Fairfax 27
Weaver, Norman Arthur,	<i>W Newton, 34 Winthrop St., W. Newton</i>	
Weil, Lester Herman,	<i>Philadelphia, Pa.</i>	M. 17
Weiner, Harry Percy,	<i>Lawrence,</i>	M. 49
Weissbuch, Edward,	<i>New York, N. Y.</i>	S. 2
Wells, Lewis Gray,	<i>Middletown, Conn</i>	Russell 15
Wetzler, Sydney,	<i>Los Angeles, Cal.</i>	W. 41
Whitman, Frederic Bennett,	<i>Cambridge,</i>	52 Mt. Auburn St.
Whitney, Leland Anton,	<i>Watertown,</i>	7 Bryant St.
Whittemore, Edwin Chamberlin,	<i>Cambridge,</i>	36 Lannacian St.
Wilkins, Herbert Irving,	<i>Wakefield,</i>	W. 24
Wilson, David Hawxhurst,	<i>Philadelphia, Pa</i>	T. 26
Wilson, Leon Rudolph,	<i>So Boston,</i>	794 Fourth St., So. Boston
Wirt, Sidney Hedges,	<i>Brookline,</i>	Wadsworth 11
Wonson, Arthur Story,	<i>Gloucester,</i>	6 Plum St., Gloucester
Wood, Kenneth Oakes,	<i>Trinidad, Colo.</i>	Fairfax 10
Woodward, Emerson Whitcomb,	<i>Brighton,</i>	12 Colonial R'd, Brighton
Worcester, Thomas,	<i>Waltham,</i>	T. 11

Works, Charles Enoch,	<i>Rockford, Ill</i>	Randolph 42
Wright, Dupont,	<i>Cambridge,</i>	1200 Mass Ave
Yesner, Saul,	<i>Dorchester,</i>	M 16
Zach, Philip,	<i>Roxbury,</i>	53 Dunster St
Zobel, Myron,	<i>New York, N Y</i>	M 11
Zukoski, Charles Frederick, Jr	<i>St. Louis, Mo</i>	Randolph 3

SOPHOMORE CLASS

Abbot, Theodore Sewall,	<i>Worcester,</i>	6 Holyoke Pl
Ames, Richard,	<i>Boston,</i>	Beck 23
Andelman, Hyman,	<i>Cambridge,</i>	51 Martin St
Anderson, Carl Gustave,	<i>Dorchester,</i>	21 Raven St, Dor
Anderson, Emery Magnus,	<i>Brockton,</i>	378 Harvard St
Anderson, George Kumler,	<i>Cambridge,</i>	33 Kirkland St
Andrews, Alan Hall,	<i>Fall River,</i>	120 Mt Auburn St.
Angier, Albert Edgar,	<i>Waban,</i>	Randolph 39
Apthorp, Harrison Otis,	<i>Milton,</i>	Claverly 24
Aronson, Aaron Solomon,	<i>Boston,</i>	36 Northampton St, Boston
Ashton, Randolph,	<i>Swarthmore, Pa</i>	Dana 21
Aspinwall, Augustus,	<i>Chestnut Hill,</i>	9 Bow St
Atkinson, Theodore Mayo,	<i>Brookline,</i>	H 27
Austin, Francis Reed,	<i>Jamaica Plain,</i>	Randolph 39
Bacon, Edward Alsted,	<i>Milwaukee, Wis</i>	Randolph 12
Baker, Ernest Stanley,	<i>Schenectady, N Y</i>	M. 47
Baker, Geoffrey,	<i>Newton,</i>	602 Centre St, Newton
Baldwin, Joseph Clark,	<i>Mt Kisco, N Y</i>	Claverly 7
Barber, Arthur Leslie,	<i>Roxbury,</i>	64 Lambert Ave, Rox.
Barrett, Gerald Ruggles,	<i>Somerville,</i>	115 Cedar St, Somer
Bassett, Richard Horace,	<i>Northampton,</i>	Randolph 56
Batchelder, Charles Foster, Jr	<i>Peterboro, N H.</i>	Randolph 16
Batchelder, George Merrill Prescott,	<i>Amesbury,</i>	Drayton 13
Beaman, Earl Robert,	<i>Spencer, Ind</i>	20 Quincy St
Beard, Francis David,	<i>Irrvington, N. Y.</i>	Westmorly 133
Beetlestone, Guy Clarke,	<i>Framingham,</i>	Salem End R'd, Framingham
Beilenson, Laurence Wellman,	<i>Helena, Ark</i>	Beck 1
Belknap, Waldron Phoenix, Jr	<i>New York, N Y</i>	Claverly 24
Bell, William Procter,	<i>Cincinnati, O</i>	6 Holyoke Pl.
Benjamin, Alfred Leopold,	<i>Kansas City, Mo</i>	H'y 14
Bentley, Byron Robert,	<i>Mattapan,</i>	24 Cheever St., Mattapan
Bergman, Sidney Meyer,	<i>Roxbury,</i>	543 Dudley St, Rox
Berkovitz, Leo,	<i>New Bedford,</i>	W. 37

Berlack, Harris,	<i>Jacksonville, Fla</i>	T. 37
Berle, Rudolf Protas,	<i>Brookline,</i>	1471 Beacon St., B'kline
Berman, David,	<i>Roxbury,</i>	74 Holworthy St., Rox
Berman, Harold Henry,	<i>Dorchester,</i>	45 Millet St., Dor.
Bertschmann, Louis Frederick,	<i>New York, N. Y.</i>	Randolph 46
Bixby, Harry Irving,	<i>Holbrook,</i>	11 Washburn Ave., Auburndale
Blake, Warren Everett,	<i>Newton,</i>	38 Carleton St., Newton
Blanchard, Benjamin Seaver, Jr	<i>Brookline,</i>	Westmorly 126
Bodge, John Lincoln,	<i>Minneapolis, Minn</i>	Ware 29
Bolster, Philip Wilfred,	<i>Roxbury,</i>	Westmorly 146
Bolton, Julian Castle,	<i>Cleveland, O</i>	Randolph 12
Bond, Charles Lawrence,	<i>Boston,</i>	Westmorly 45
Botkin, Benjamin Albert,	<i>Dorchester,</i>	35 Michigan Ave., Dor.
Bowen, Richard Howard,	<i>Cambridge,</i>	Westmorly 126
Branigan, Arthur Thomas,	<i>Wayland,</i>	H. 10
Brook, Adolph,	<i>Hartford, Conn</i>	M. 7
Brown, Carleton Wires,	<i>W. Newton,</i>	Randolph 6
Bruce, John Edgar,	<i>Rowlesburg, W. Va</i>	5 Linden St.
Bryce, David Andrew,	<i>Pittsburgh, Pa.</i>	Drayton 12
Bulger, Arthur James,	<i>Dorchester,</i>	239 Minot St., Dor.
Bullard, Frederic Keil,	<i>Revere,</i>	Randolph 51
Burden, James Abercrombie, Jr.	<i>New York, N. Y.</i>	Claverly 23
Burke, Thomas Joseph,	<i>Washington, D. C.</i>	Westmorly 26
Burke, William James, Jr	<i>Springfield,</i>	60 Mt. Auburn St.
Burns, Edward Thomas,	<i>Allston,</i>	M. 8
Burroughs, Alan,	<i>Flushing, L. I., N. Y.</i>	II'y 10
Cabot, Edward,	<i>E. Milton,</i>	Randolph 15
Cantor, William,	<i>Lowell,</i>	M. 19
Carey, Frederick Mason,	<i>Somerville,</i>	93 Partridge Ave., Somer.
Carhart, Amory Sibley,	<i>Tuxedo Park, N. Y.</i>	Claverly 22
Carlson, John Edwin,	<i>Newton Centre,</i>	Randolph 44
Castle, Henry Fassett,	<i>Belmont,</i>	Russell 21
Chadwick, Burton Lovell,	<i>Osterville,</i>	W. 49
Chapin, Clarence Ardell,	<i>Newtonville,</i>	35 Bow St.
Chick, Walter Goodall,	<i>Cambridge,</i>	7 Centre St.
Choate, Robert Burnett,	<i>Southboro,</i>	9 Bow St.
Chrisman, Raymond Burke,	<i>Ortonville, Minn.</i>	Randolph 56
Chung, Mon Fah,	<i>Honolulu, Hawaii,</i>	51 Brattle St.
Cimerblatt, Jacob,	<i>Brookline,</i>	73 Fuller St., Brookline
Claffin, Alan Avery, Jr	<i>West Medford,</i>	Randolph 46
Claffin, William Walker,	<i>Newton Centre,</i>	Randolph 11
Clark, Herbert Colbert,	<i>Cleveland, O.</i>	S. 23

Cohen, Eli,	Roxbury,	H. 29
Collins, Warren Ethington, Jr	Jamaica Plain, 304 Centre St., Jam. Pl.	
Collinson, Stanley Earl,	Greenwood,	Westmorly 7
Coolidge, John Gardner, 2d,	Boston,	Randolph 34
Cooper, William Evans,	Conshohocken, Pa.	M. 37
Corcoran, Paul Reid,	Cambridge,	50 Lexington Ave.
Corning, Clarence Hamilton,	Bangor, Me	Randolph 16
Costigan, Henry Dunster,	Evansston, Ill	Randolph 46
Coxe, Henry Brinton, Jr	Penlllyn, Pa	Claverly 17
Craig, John Richard, Jr	Marblehead,	Claverly 33
Curry, Haskell Brooks,	Boston,	Randolph 47
Curti, Merle Eugene,	Omaha, Neb	5 Linden St
Curtis, Charles Cutler,	New York, N Y.	Beck 22
Daly, Gordon Webster,	Brighton, 11 Parsons St., Brighton	
Damon, Bernard Happer Ball,	Honolulu, Hawaii,	Dana 29
Davidoff, Leo Max,	Salem,	14 Sumner R'd
Davidson, William Fuson,	St. Paul, Minn	Beck 46
Davis, Fred Richmond,	Rosindale, 30 Fairview St., Rosindale	
Davis, Lucius Barbour,	New York, N Y	H'y 3
Dawson, George William, Jr	Jamaica Plain, 32 Parkton R'd, Jam. Pl	
Day, Curtis Fisher,	Somerville, 38 Browning R'd, Somer.	
Day, Ellison Goddard,	Malden, 324 Washington St., Malden	
Dean, Francis Hale,	Lexington,	W. 32
Dean, William Wauth,	Flushing, L. I., N. Y	Randolph 17
Dempsey, Daniel Joseph, Jr	Mullbury,	Ware 39
Denker, William Allen,	Dorchester,	15 Doris St., Dor.
Dennison, Robert Adams,	Reading,	M. 28
Dickerson, Charles Estell, Jr	E Northfield,	S. 9
Dill, Malcolm Howard,	Richmond, Ind	Randolph 57
Doniger, Elliot,	New York, N. Y.	T 52
Dowd, John Cooke,	Lowell,	Randolph 59
Drake, Nathan Lincoln,	Watertown, 308 Mt. Auburn St., Watertown	
Droppers, Seton Rand,	Athens, Greece,	Randolph 61
Duggan, Daniel Joseph,	Wakefield, 51 Melvin St., Wakefield	
Dunleavy, James Thomas,	Springfield,	Claverly 52
Dunning, Robert Mackenzie,	Allston,	64 Aldie St., Allston
Dwyer, John Timothy,	Newton, 433 Washington St., Newton	
Eastman, Walter Frederick,	New Milford, Conn.	M. 55
Eckstein, Robert Ephraim,	W. Norwood, N J.	W. 12
Ehrensperger, Harold Adam,	Indianapolis, Ind.	W. 8
Eisenberg, Alfred Herbert,	Worcester, 90 Providence St., Worcester	
Eisendrath, Richard R,	Chicago, Ill.	Randolph 58

Eliot, Charles William, 2d,	Cambridge,	Randolph 68
Ellinger, Richard Gordon,	Ridgway, Pa.	"Shady Hill," Irving St.
Elton, William Norman,	Dorchester,	S. 15
Emmons, Henry, 2d,	Roxbury,	2 Holyoke St.
Erb, Henry McKinley,	Buffalo, N Y	Apthorp 1
Evans, John Draper,	Boston,	58 Fenway, Boston
Evans, Leland Brown,	Jamaica Plain,	Dunster 41
Fichtner, Charles Clifton,	Burlington, Ia	56 Boylston St.
Field, Bradford Sampson,	Cambridge,	M. 37
Fine, Jacob,	Brockton,	96 Prescott St.
Fink, Albert Otto,	Philadelphia, Pa	S 11
Fischer, Joseph Bertram,	Buffalo, N Y	Fairfax 35
Fisher, Paul Kingsbury,	Saranac Lake, N Y	Randolph 54
Fiske, Charles Henry, 3d,	Boston,	Randolph 24
Fiske, Redington, Jr.	Needham,	Westmorly 121
Fiske, Wyman Parkhurst,	W Somerville,	44 Cherry St, W. Somer.
Flanders, Paul Beecher,	Concord, N H	W. 43
Fleischmann, Edwin,	Hamburg, N. Y.	Beck 24
Fleming, John Charles Stanhope,	Des Moines, Ia	Dunster 40
Flynn, Donald White,	Allston,	28 Mansfield St., Allston
Ford, David Arthur,	Erie, Pa	51 Oxford St.
Francis, Payson Clark,	Brookline,	Russell 11
Freiberg, Joseph Albert,	Cincinnati, O.	Beck 4
French, Elot Channing,	Canton,	Randolph 36
Friedman, Frank Samuel,	Roxbury,	383 Warren St., Rox.
Frothingham, Samuel, Jr.	Lenox,	Claverly 53
Gallup, Edward Hatton, Jr	Hyde Park, 54 Westminster St., Hyde Park	
Gammack, Thomas Hubbard,	Fitchburg,	Apthorp 1
Gardner, Darwin Earl,	Newtonville,	Westmorly 5
Gerould, Russell,	Cambridge,	186 Upland R'd
Gibbs, Harry Field, Jr	W. Newton,	Westmorly 146
Giddings, Frank Edwin, Jr.	Great Barrington,	Westmorly 133
Gleason, Allen Hartwell,	Cambridge,	76 Oxford St.
Glick, Julius Leonard,	Cleveland, O.	Randolph 59
Glynn, John William, Jr	Springfield,	Claverly 52
Goodnow, John Ruyter,	Natick,	W. 10
Goodstone, Samuel Bernard,	Pittsburgh, Pa.	Fairfax 46
Goodwin, William Hobbs,	Dedham,	Randolph 1
Gordon, Everett Francis,	Gloucester,	W. 32
Green, Philip Edward,	Dorchester,	M. 49
Greenberg, Arthur Oscar,	Jamaica Plain, 39 Greenwood Ave., Jam. Pl.	
Gustlin, Ramon French,	Somerville,	3 Virginia St., Somer.

Hagerman, Lowry,	Colorado Springs, Colo	Claverly 24
Hall, Frederick Whitney,	Cambridge,	12 Remington St.
Hall, Llewellyn,	Annapolis, Md	6 Holyoke Pl
Hallowell, Richard Price, 2d,	Chestnut Hill,	Westmorly 126
Hamerslag, Howard Joseph,	New York, N Y	Beck 1
Hardaway, John Fletcher,	Kaufman, Tex	Westmorly 141
Hardy, Rodney Clinton,	Arlington,	Randolph 57
Harney, Edward Thomas,	Roxbury,	28 Worthington St, Rox
Harris, Henry Wilson, Jr	Chestnut Hill,	Westmorly 121
Harris, William Elder,	Cambridge,	Russell 21
Harrison, Joseph, Jr	Rosemont, Pa	Westmorly 123
Harwood, Robert Walker,	Littleton,	Randolph 51
Hatton, Julian Burroughs,	Grand Haven, Mich	Westmorly 27
Hawkins, Dexter Clarkson,	New York, N. Y	Randolph 35
Heard, Marston,	Manchester, N H	Randolph 56
Helm, George Washington,	E Hampton, L I, N Y	Westmorly 136
Hennessy, James Francis,	Laurence,	27 Brookfield St, Lawrence
Henry, Lawrence Frederic,	Cambridge,	111 Chestnut St.
Hersey, Robert Wilson,	Jamaica Plain,	Fairfax 18
Herrick, Ralph Herbert,	Lewistown, Pa.	S 11
Hibbard, Ford,	Brooklyn, N Y	Westmorly 101
Higgins, John Stuart,	Winchester,	Randolph 42
Hill, Arthur Theodore,	Englewood, N. J	Apthorp 7
Hitchcock, John,	Boston,	Westmorly 126
Hitchcock, William Jameson,	Oxford, N Y	G. 35
Hodgens, Thomas Milton, Jr.	Greenwich, Conn	Beck 46
Hogan, John Joseph, Jr.	Lowell,	Fairfax 35
Holbrook, William Collar,	Cambridge,	36 Hawthorn St
Holcombe, Theodore Gibbs,	Newport, R I	Russell 16
Holladay, Collis Huntington,	San Francisco, Cal.	Fairfax 46
Holland, John,	Jamaica Plain,	250 Lamartine St., Jam. Pl.
Hood, Gilbert Henry, Jr	Somerville,	Randolph 23
Horovitz, Samuel Bertram,	Wakefield,	1 Cedar Pl, Wakefield
Horween, Arnold,	Chicago, Ill	Dunster 26
Hotson, John Leslie,	Brooklyn, N. Y	M. 12
Houser, George Crouse,	Akron, O.	Westmorly 143
Houston, David Franklin, Jr	Washington, D C	Randolph 1
Hovey, Robert Boone,	Kansas City, Mo.	Claverly 5
Howard, Charles Stewart,	Cambridge,	Randolph 63
Howard, George Parker,	Buzzards Bay,	M. 39
Howe, Ralph Hall,	Hyde Park,	Randolph 52
Israelite, Joseph,	Chelsea,	235 Chestnut St., Chelsea

Jackson, Charles Thomas,	<i>Brookline,</i>	Randolph 56
James, Preston Everett,	<i>Brookline,</i>	Russell 16
Jayne, Horace Howard Furness,	<i>Wallingford, Pa</i>	Randolph 2
Jepson, William Donald,	<i>Melrose,</i>	Westmorly 7
Johnson, Stanley Herbert,	<i>Denver, Colo</i>	Claverly 51
Johnson, Whitfield Whittmore,	<i>Galva, Ill.</i>	Beck 36
Jolles, Morton,	<i>Brookline,</i>	76 Veendale St., B'kline
Jones, Clinton McCarthy,	<i>Redwood, N Y</i>	W. 23
Jones, George Whitney,	<i>Leominster,</i>	Dann 28
Joslyn, Carl Smith,	<i>Springfield,</i>	60 Mt. Auburn St.
Kahn, Herbert Myron,	<i>Cleveland, O</i>	Fairfax 46
Kelson, Benjamin,	<i>Springfield,</i>	1727 Cambridge St
Kendall, Paul,	<i>Belmont,</i>	Westmorly 47
Kernan, Francis Morgan,	<i>Washington, D. C</i>	H. 23
Keyser, William McHenry,	<i>Baltimore, Md</i>	Randolph 13
Kimball, Richard Ellis,	<i>Ashland,</i>	Russell 18
King, James Gore, Jr.	<i>New York, N. Y.</i>	Randolph 20
Kingsberg, Malcolm,	<i>Springfield,</i>	W. 37
Kinney, Ansel McBryde,	<i>Southwest Port Mouton, N S</i>	3 Claigie Circle
Kirk, Alexander Edgar,	<i>Chicago, Ill.</i>	Randolph 55
Kittenplan, Reuben,	<i>New York, N. Y</i>	Il'y 8
Kopel, Moses,	<i>Malden,</i>	9 Starbird St., Malden
Ladd, George Edgar, Jr	<i>Mesilla Park, New Mex.</i>	Fairfax 46
Ladd, Robert Gordon,	<i>Cambridge,</i>	62 Gorham St.
La Farge, Christopher,	<i>New York, N Y</i>	Claverly 54
Lane, Lauriat,	<i>Cambridge,</i>	22 Arlington St.
Lauer, Jack Ross,	<i>Scranton, Pa</i>	Dana 44
Lawrence, Frederic Cunningham,	<i>Boston,</i>	Randolph 12
Lawton, Mark William,	<i>Newton,</i>	W. 22
Lederman, Bennie,	<i>Beverly,</i>	12 Chase St., Beverly
Lederman, Bernard,	<i>Dorchester,</i>	85 Bernard St., Dor.
Le Forgee, Charles Granville,	<i>Decatur, Ill.</i>	Westmorly 123
Levenson, George Sydney,	<i>Roxbury,</i>	11 Wabeno St., Rox.
Lewis, Burnham,	<i>Philadelphia, Pa.</i>	Apthorp 6
Lewis, John Howard,	<i>Marengo, O.</i>	6 Shepard St.
Lloyd, Putnam Crocker,	<i>Ann Arbor, Mich.</i>	Randolph 57
Louderback, William Johnson, Jr.	<i>Highland Park, Ill.</i>	Claverly 10
Lovering, Ernest, Jr.	<i>Brookline,</i>	Claverly 17
Luttrupp, Knut Edvard,	<i>Ashmont,</i>	Russell 35
Lyons, Kevin Theodore,	<i>Brookline,</i>	56 Addington R'd, Brookline
Mabon, James Brown, Jr.	<i>New York, N. Y.</i>	Apthorp 4
McClatchie, Stanley,	<i>Los Angeles, Cal.</i>	Wadsworth 9

McClure, Donald Fuller,	<i>Los Angeles, Cal</i>	Little 36
McCouch, Eric Alan,	<i>Philadelphia, Pa</i>	Randolph 42
McDaniel, Walton Brooks, 2d,	<i>Cambridge,</i>	1675 Mass Ave
Macdonald, Ronald Scribner,	<i>Somerville,</i>	80½ Heath St, Somer
McEldowney, Howard Vanderlip,	<i>Brookline,</i>	Russell 11
McElroy, Paul Kinney,	<i>Cincinnati, O</i>	6 Holyoke Pl
McGillen, James Gerald,	<i>Brookline,</i>	161 Cypress St, B'kline
Mackie, Gordon Harold,	<i>Weston,</i>	White Lane, Weston
McNamara, Fred Austin,	<i>Cambridge,</i>	239 Upland R'd
McNamara, John Thomas Charles,	<i>Bridgeport, Conn</i>	Westmorly 26
McNear, Cyril,	<i>San Francisco, Cal</i>	Claverly 19
Macomber, George Arthur, Jr	<i>Cambridge,</i>	Dunster 26
Maguire, Albert Ignatius,	<i>Roxbury,</i>	34 Gaston St, Rox
Mahoney, James Bradley,	<i>Lawrence,</i>	5 Custer St, Lawrence
Marget, Arthur William,	<i>Roxbury,</i>	157 Homestead St, Rox
Marks, Robert Whitney,	<i>Akron, O</i>	Claverly 9
Master, Morris,	<i>E Boston,</i>	150 Putnam St, E. Boston
Mellen, Chase, Jr	<i>Garden City, L I, N Y</i>	Claverly 24
Merchant, Lawrence Bluford,	<i>Carlsbad, New Mex</i>	W 2
Merrick, Kenneth,	<i>Brookline,</i>	Claverly 33
Merten, John William,	<i>Cincinnati, O</i>	Fairfax 31
Morse, Kenneth,	<i>Concord,</i>	Randolph 6
Morton, Brayton,	<i>Fall River,</i>	Westmorly 141
Mosle, Johann Ludwig,	<i>Galveston, Tex.</i>	Westmorly 123
Mufson, Samuel,	<i>Passaic, N J</i>	14 Sumner R'd
Müller, Carl Lurman,	<i>New York, N Y</i>	Randolph 33
Munsell, Charles Horton,	<i>Springfield,</i>	W 45
Nason, Randolph Palmer,	<i>Medford,</i>	135 Park St, Medford
Nathan, Emanuel Geoffrey,	<i>Brookline,</i>	215 Babcock St, B'line
Nathan, Joseph Barin,	<i>Brookline,</i>	429 Harvard St, B'kline
Newton, Philip Converse,	<i>West Roxbury,</i>	Dunster 24
Nichols, John Doane,	<i>Hingham Centre,</i>	Randolph 60
Noble, James Alexander,	<i>Oklahoma City, Okla</i>	60 Mt Auburn St
Nolan, William Lawrence,	<i>Arlington,</i>	29 Egerton R'd, Arlington
Norton, Arthur Jere,	<i>Dorchester,</i>	64 McLellan St, Dor
Noyes, George Clapp,	<i>Jamaica Plain,</i>	11 St John St, Jam. Pl
O'Callaghan, Thomas Edward,	<i>Ogdensburg, N Y</i>	W 13
Oenslager, John Willard,	<i>Harrisburg, Pa</i>	Westmorly 6
Osgood, Stuart,	<i>Salem,</i>	Russell 11
Otis, James,	<i>Brookline,</i>	9 Bow St
Ozias, Charles Whealen,	<i>Dayton, O</i>	Westmorly 6
Packard, Frederick Clifton,	<i>Rosindale,</i>	M 12

Paine, Stephen,	Boston,	Claverly 19
Palmer, Albert,	Newton,	Westmorly 146
Patch, Buel Whiting,	Framingham Centre,	48 Mt. Auburn St.
Pavenstedt, Edmund William, Jr.	New York, N Y	Randolph 32
Peet, Roy William,	Kansas City, Mo.	Claverly 13
Peirson, Abel Lawrence, Jr	Essex Fells, N. J	Westmorly 105
Perkins, Arthur Hunter,	Nowood,	W 49
Perry, Roger Adams,	Jamaica Plain,	Randolph 51
Phelps, Francis Henry,	Somerville,	II. 10
Phemister, Robert Grey,	Cambridge,	20 Holyoke St
Phulbin, Philip Joseph,	Clinton,	Dana 35
Pinney, Correl Delos, Jr.	Rapley, N. Y.	W. 12
Plumer, William Beckley,	Newton Centre,	Westmorly 146
Pollack, Samuel Moses,	Boston,	13 Anderson St., Boston
Poor, Alfred Easton,	New York, N. Y.	Randolph 5
Porter, Albert Ogden,	Brookline,	Fairfax 42
Post, John Phillips,	Spokane, Wash	Dana 39
Potter, Russell Lee,	Dorchester,	23 Everett St.
Prescott, Oliver, Jr	No Dartmouth,	Randolph 5
Priest, Alan Reed,	Fitchburg,	Fairfax 26
Putnam, Augustus Lowell,	Manchester,	Randolph 30
Qumby, Arthur Westgate,	Windsor, Vt.	Randolph 49
Quintana, Ricardo Beckwith,	Albany, N. Y.	W 54
Raisbeck, Kenneth Romaver-Ron,	Bloomington, Ill.	II. 17
Ramsey, George Moore,	Peterboro, N. H	16 Church St.
Randall, Imbert Scott,	St. Paul, Minn	Randolph 14
Reed, Charles Shadrach, 2d,	Cleveland, O	Dana 35
Reid, George Hugh,	Jamaica Plain,	4 Parley Vale, Jam. Pl.
Remington, Pardon Sheldon, Jr	Dorchester,	21 Paisley P'k, Dor.
Reynders, Charlton,	New York, N Y	Randolph 32
Reynolds, Frederic Lincoln,	Cushman, Ore.	W. 10
Reynolds, George Phillips,	Boston,	Randolph 34
Rice, Frederick Winslow, Jr.	Brighton,	53 Dunster St.
Roberts, Harold Arthur,	Newark Valley, N Y	Y. M. C. A. Hut
Robey, Andrew Alexander,	Boston,	Randolph 50
Robinson, Dwight Parker, Jr	Chestnut Hill,	Randolph 15
Robinson, Ernest Harry,	Roxbury,	22 Fayston St., Rox.
Robinson, George Warren,	Brookline,	53 Dunster St.
Rochester, John Lathrop,	Buffalo, N Y.	Apthorp 1
Rogerson, Edward Greenleaf,	Milton,	Apthorp 6
Rose, Dwight Chappell,	Waterford, Conn.	T. 25
Rosen, Joseph,	Brockton,	1716 Cambridge St.

Rotenberg, Solomon,	<i>Attleboro,</i>	1716 Cambridge St.
Roth, Samuel Clement,	<i>Seranton, Pa</i>	H'y 22
Rouner, Arthur Acy,	<i>Omaha, Neb</i>	Randolph 49
Rowe, William Wallace,	<i>Cincinnati, O</i>	Westmorly 121
Rowse, Roger Cushing,	<i>St Louis, Mo</i>	W 6
Rubin, Gabriel Jacob,	<i>E. Boston,</i>	112 Marion St., E Boston
Rublee, Horace,	<i>Denver, Colo</i>	Claverly 8
Ruhman, Irving Cutler,	<i>Cambridge,</i>	164 Allston St
Sadolf, Henry,	<i>Dorchester,</i>	H 29
Saltonstall, Richard,	<i>Chestnut Hall,</i>	9 Bow St
Sanders, Russell Maryland,	<i>Dorchester,</i>	Randolph 46
Sanderson, Lloyd Bowen, Jr	<i>New York, N Y</i>	Randolph 50
Sands, Charles Radford,	<i>Cambridge,</i>	12 Sumner R'd
Schurz, Franklin Dunn,	<i>South Bend, Ind</i>	Westmorly 27
Schwarz, Paul Manfred,	<i>Greenwich, Conn</i>	Randolph 47
Scribner, Allison Kenneth,	<i>Roslindale,</i>	32 Fletcher St., Roslindale
Seager, David Collins, 2d,	<i>Brighton,</i>	29 Dighton St., Brighton
Shaw, Robert Wallace,	<i>Nutley, N J</i>	Fairfax 42
Shepard, Francis Parker,	<i>Brookline,</i>	Randolph 53
Sherman, James Woodward,	<i>Roxbury,</i>	Dana 23
Shubow, Joseph Solomon,	<i>Dorchester,</i>	39 Michigan Ave., Dor.
Siebert, Henry Thomas,	<i>Hyde Park,</i>	H 16
Silberman, Henry Rosenfield,	<i>Chicago, Ill</i>	H'y 14
Slingerland, Harold Bullock,	<i>Saratoga Springs, N Y</i>	Westmorly 101
Smith, Charles Gaston, Jr	<i>Brookline,</i>	Randolph 25
Smith, Eastman,	<i>Granby,</i>	6 Holyoke Pl
Smith, James Fletcher,	<i>Pepperell,</i>	41 Wendell St
Smith, Leland William,	<i>Springfield,</i>	M 55
Smith, Melville Machol,	<i>Bridgeport, Conn</i>	W 45
Smith, Oliver Van Patten,	<i>Winchester,</i>	Randolph 49
Snow, Royall Henderson,	<i>Chicago, Ill</i>	Fairfax 42
Southworth, Franklin Chester, Jr	<i>Meadville, Pa</i>	56 Boylston St
Spalding, John Varnum,	<i>Newton Centre,</i>	Westmorly 146
Spalding, Merrill Ten Broeck,	<i>Brookline,</i>	255 Walnut St., B'kline
Sprague, Charles Henry,	<i>Swampscott,</i>	T. 15
Stearns, Richard Sprague, Jr	<i>Jamaica Plain,</i>	Randolph 36
Steuer, Aron Seth Walter,	<i>New York, N Y</i>	Fairfax 28
Steuer, Leonard Girard,	<i>Cleveland, O</i>	T. 64
Steuer, Wilbur Adrian,	<i>Cleveland, O</i>	H'y 22
Stevens, Sylvester Nichols,	<i>Danbury, Conn</i>	M. 46
Stevenson, Paul Eve,	<i>Brookline,</i>	Westmorly 126
Stires, Ernest Van Rensselaer,	<i>New York, N Y</i>	Apthorp 4

Stoddard, Arthur MacKay,	<i>La Salle, Ill.</i>	Westmorly 24
Stolz, Max,	<i>Syracuse, N. Y.</i>	T. 28
Stone, Sylvester Robert,	<i>Malden,</i>	M. 10
Stoneham, Elbridge Fernald,	<i>Beverly,</i>	M. 46
Stuart, Guilford Bruce,	<i>Newton Centre,</i>	Russell 18
Stubbs, Joseph,	<i>Newton,</i>	Westmorly 146
Sullivan, Edward Augustine,	<i>Fall River,</i>	Fairfax 1
Swayze, Francis Seward,	<i>Stamford, Conn</i>	Fairfax 33
Swigert, Wilham Gorrill,	<i>Portland, Ore</i>	Westmorly 136
Swinnerton, Carl Preston,	<i>Meredith, N. H</i>	16 Church St.
Teplow, Harmand,	<i>Bayonne, N. J</i>	II. 5
Terry, Robert Cushing,	<i>Hingham,</i>	Fairfax 22
Thieme, Wayne Loring,	<i>Fort Wayne, Ind.</i>	Dana 47
Thompson, Randall,	<i>Lawrenceville, N. J.</i>	Dana 41
Thorndike, Charles,	<i>Boston,</i>	Westmorly 126
Thorpe, Warren Gardiner,	<i>Allston,</i>	10 Alcott St., Allston
Tilton, Gardner,	<i>Levington,</i>	Randolph 6
Townsend, Charles Edward San- born,	<i>Brookline, 248 Buckminster R'd, B'kline</i>	
Trevor, Henry Graff, Jr	<i>New York, N. Y.</i>	Randolph 32
Tumaroff, Abraham,	<i>Roxbury,</i>	83 Devon St., Rox.
Tutun, Jacob Joseph,	<i>Chelsea,</i>	149 Poplar St., Chelsea
Uhn, Benjamin,	<i>Roxbury,</i>	Fairfax 16
Van Anda, Paul Drane,	<i>New York, N. Y.</i>	Westmorly 141
Van Fleet, Henry Bellis,	<i>Cincinnati, O.</i>	6 Holyoke Pl.
Van Winkle, Edward Hasbrouck,	<i>Stone Ridge, N. Y.</i>	Randolph 59
Vaugh, Wilton Joseph Aloysius,	<i>E. Boston,</i>	114 Sumner St., E. Boston
Vorenberg, Felix Frank,	<i>Boston,</i>	60 Mt. Auburn St.
Wagner, Otto Swett,	<i>Salem,</i>	II. 7
Walker, Merrill Bradley,	<i>Newton Highlands, 43 Bowdoin St., Newton Hlds.</i>	
Walker, Norman Stewart, Jr.	<i>Castleton Corners, S. I., N. Y.</i>	Claverly 26
Wallace, David Wilfred,	<i>W. Orange, N. J</i>	W. 22
Ward, Hugh Campbell,	<i>Kansas City, Mo.</i>	Claverly 5
Ward, Henry DeCourcy,	<i>Cambridge,</i>	Apthorp 6
Warren, Edward Kunhardt,	<i>New York, N. Y.</i>	Westmorly 33
Washburn, Paul Carruth,	<i>Boston,</i>	Westmorly 126
Wason, George Fletcher,	<i>Cambridge,</i>	Randolph 22
Waterman, Lewis Anthony, Jr.	<i>Providence, R. I.</i>	Westmorly 144
Watkins, William Benson,	<i>Winona, Minn.</i>	Fairfax 45
Watson, Clement Hayes,	<i>Lyons, N. Y.</i>	Randolph 14
Weden, Charles Frederick,	<i>W. Roxbury,</i>	Dunster 20
Weiss, Leonard David,	<i>New York, N. Y</i>	G. 34

Weld, George Stephenson,	<i>Boston,</i>	Randolph 34
Wentworth, Carl Merrick,	<i>Cheshire,</i>	G. 36
Wescott, William Lawrence,	<i>Cambridge,</i>	281 Harvard St
Wetherell, Daniel Bradford,	<i>Fall River,</i>	35 Bow St.
Wheeler, Bancroft Cheever,	<i>Worcester,</i>	Claverly 34
Wheelwright, John Brooks,	<i>Dedham,</i>	Randolph 10
White, Duane Calef,	<i>Roxbury,</i>	S 15
White, Donald Greeley,	<i>Concord, N H</i>	W. 43
White, Norman Hill, Jr	<i>Brookline,</i>	Dunster 24
White, Richard Lowrey,	<i>New Britain, Conn</i>	Randolph 62
Whitney, Holyoke Lewis,	<i>Dedham,</i>	Claverly 24
Whittier, Norman Blanchard,	<i>Cambridge,</i>	14 Cottage St.
Whitworth, Walter Stephen,	<i>Woodstock, Ill</i>	Ridgely 65
Wickson, George Alexander,	<i>E Boston,</i>	258 Webster St., E. Boston
Widder, David Vernon,	<i>Harrisburg, Pa</i>	G. 36
Wiener, Herman Edward,	<i>Cambridge,</i>	6 Sacramento St.
Wiley, Raymond Franklin,	<i>Waltham,</i>	63 Riverview Ave., Waltham
Williams, Frederick Fox,	<i>Norwalk, O</i>	Westmorly 6
Williamson, Robert Byron,	<i>Augusta, Me</i>	Randolph 14
Williamson, Reginald Charles,	<i>Roslindale,</i>	75 Aldrich St., Roslindale
Wilson, Brayton Fuller,	<i>Cambridge,</i>	6 Acacia St.
Wilson, Carroll Louis	<i>Rochester, Minn</i>	Drayton 13
Wilson, James Samuel,	<i>Menden, Conn</i>	1168 Mass Ave
Withington, David Little, Jr	<i>Honolulu, Hawaii,</i>	Dana 29
Witte, Edward Byron,	<i>Buffalo, N Y</i>	S 11
Wolfson, Julius Hyman,	<i>New Bedford,</i>	H'y 18
Wolverton, John Boyd,	<i>Washington, D C</i>	Westmorly 136
Wood, Osborne Cutler,	<i>Camp Funston, Kan</i>	Claverly 24
Woods, Harry MacGregor,	<i>Roxbury,</i>	115 Walnut Ave., Rox
Woods, Thomas Smith, Jr	<i>Boston,</i>	M 28
Woodward, Philip Grinnell,	<i>Providence, R I</i>	Westmorly 25
Workum, Ffield,	<i>New York, N. Y.</i>	Randolph 54
Workum, Levi Jephtha,	<i>Cincinnati, O</i>	Beck 1
Worrall, Douglas Himsdale,	<i>Philadelphia, Pa</i>	Apthorp 3
Yont, Laurence Dickson,	<i>Allston,</i>	9 Park Vale Ave., Allston
Yungblut, Charles Gibson,	<i>Dayton, Ky</i>	6 Holyoke Pl.

FRESHMAN CLASS

Abrams, Harold,	<i>Dorchester,</i>	8 Fowler St., Dor
Adams, Charles Closson, Jr	<i>Cedarhurst, L I, N Y.</i>	Sd 241
Albert, Harry,	<i>Chelsea,</i>	160 Broadway, Chelsea

Albright, Fuller,	<i>Buffalo, N. Y.</i>	Sd. A22
Allen, Charles Frederic, Jr	<i>Salem,</i>	Sd. c41
Allen, Edward Ellis, Jr	<i>Watertown,</i>	J.S. c42
Alpers, Bernard Jacob,	<i>Salem,</i>	Sd. d42
Anderson, Alexander,	<i>Cincinnati, O.</i>	Sd. d13
Anderson, Chandler Parsons, Jr	<i>New York, N. Y.</i>	P.S. d23
Argue, Thomas Henry,	<i>Conning, N. Y.</i>	Go. c32
Arms, Theodore Myron,	<i>Brooklyn, N. Y.</i>	Go. b43
Arvin, Frederic Newton, Jr	<i>Valparaiso, Ind.</i>	P.S. b41
Atkinson, Henry Russell,	<i>Brookline,</i>	J.S. c33
Aubin, Robert Arnold,	<i>Newton,</i>	Go. e32
Auzias de Turenne, Leon,	<i>Seattle, Wash.</i>	Go. B35
Avery, Thomas Morris,	<i>New York, N. Y.</i>	Sd. e34
Ayer, Richard Boyd,	<i>New York, N. Y.</i>	G.S. c22
Bacon, Francis McNeil, 3d,	<i>New York, N. Y.</i>	P.S. c34
Bailey, David Washburn,	<i>Wollaston,</i>	J.S. b41
Baldwin, Byrne Elmer,	<i>Sturgis, Mich.</i>	Go. c51
Baldwin, Charles Hobart,	<i>Colorado Springs, Colo.</i>	Claverly 3
Baldwin, George Storer, Jr	<i>Chestnut Hill,</i>	Sd. c21
Baldwin, John Tileston,	<i>Chestnut Hill,</i>	Sd. c21
Ball, Warren Davis,	<i>New Haven, Conn.</i>	Go. e13
Bancroft, Thayer Lane,	<i>Wellesley Hills,</i>	J.S. b13
Bangs, Edward,	<i>Boston,</i>	Go. A44
Barry, Leland Clifford,	<i>Troy, N. Y.</i>	Sd. A32
Bartlett, Charles Lothrop,	<i>Chestnut Hill,</i>	Sd. A35
Barton, Rexford Wadleigh,	<i>Brookline,</i>	J.S. c25
Bayard, Hymen,	<i>W. Lynn, 816 Western Ave., W. Lynn</i>	
Beal, Royal Woodward,	<i>Brookline, Cypress Apts, Cypress Pl., B'kline</i>	
Beebe, Albert,	<i>Brooklyn, N. Y.</i>	J.S. c27
Beek, Julian Palmer,	<i>St. Paul, Minn.</i>	Sd. d33
Beeler, Elmer Reese,	<i>Norfolk, Neb.</i>	G.S. b41
Beidler, Francis, Jr	<i>Chicago, Ill.</i>	Go. e35
Belfatto, Pericles Ernest,	<i>Newark, N. J.</i>	J.S. A42
Bell, James Roeder,	<i>Cleveland, O.</i>	Go. c51
Benander, Carl Arthur,	<i>Boston, 25 Maywood St., Boston</i>	
Berry, Charles Floyd,	<i>Boston, 541 Commonwealth Ave., Boston</i>	
Bigelow, Edward Livingston,	<i>Boston,</i>	Sd. b23
Birdsall, Paul,	<i>Albany, N. Y.</i>	P.S. c12
Blair, Austin Benedict,	<i>New York, N. Y.</i>	Sd. A41
Block, Lloyd Myron,	<i>Cincinnati, O.</i>	Go. d22
Bloom, Joseph Charles,	<i>Dorchester, 130 Stanwood St., Dor.</i>	
Bolles, Clifford Whitman,	<i>Ipswich,</i>	P.S. b11

Bolles, Harold Norman,	<i>Ipswich,</i>	P S. B11
Bolton, Stanwood Knowles,	<i>Brookline,</i>	Go B22
Borg, Myron Irving, Jr.	<i>New York, N. Y</i>	Go. A14
Borland, John Nelson, 2d,	<i>Bedford Hills, N Y</i>	P S A24
Boyden, Bartlett Wetherbee,	<i>Newtonville,</i>	P S. B21
Brackett, Nathan Cook,	<i>Jamaica Plain,</i>	G S c21
Bradley, George,	<i>Portland, Me</i>	Go B21
Bradley, John Hodgdon, Jr.	<i>Dubuque, Ia</i>	Sd A15
Bradley, Lyman Richard, Jr.	<i>Hartford, Conn</i>	Go c21
Brady, Esmond Barrett,	<i>Yonkers, N Y</i>	Sd B33
Bronson, Robert Eliot,	<i>Seattle, Wash</i>	G S c21
Brown, Douglass Edwin,	<i>Kingston, N Y</i>	Sd c43
Brown, Hillyer Blake,	<i>San Francisco, Cal</i>	P S c31
Brown, Harrison Cabot,	<i>San Francisco, Cal</i>	P S c31
Brown, Ronald Norman,	<i>Chicago, Ill</i>	Sd D41
Buffington, Merrill,	<i>Minneapolis, Minn</i>	P S c23
Bullard, Theodore Vail,	<i>So Orleans,</i>	G S B22
Buntin, Roger Williams,	<i>W Newton,</i>	Go c52
Burchard, John Church,	<i>Providence, R. I</i>	Go B45
Burgin, Clarence Rodgers,	<i>Quincy,</i>	P S B22
Burstein, David,	<i>Roxbury,</i>	117 Crawford St., Rox
Bushnell, Richard Simpson,	<i>Brookline,</i>	Randolph 53
Butler, Courtland,	<i>Chestnut Hill,</i>	Sd A35
Butterfield, Charles Buckingham, Jr.	<i>Chestnut Hill,</i>	Sd B11
Byers, William Lloyd,	<i>No. Andover,</i>	Sd E11
Cabot, Paul Codman,	<i>Brookline,</i>	P S B24
Cady, Frederic Lee Allen,	<i>New York, N. Y.</i>	P S. c32
Callaghan, Alfred Gregory,	<i>Allston,</i>	1 Rena St., Allston
Campbell, Kenneth,	<i>Mt. Hamilton, Cal.</i>	Go B25
Campbell, Samuel Robert,	<i>Utica, N. Y.</i>	J S A24
Cancr, Gerald Wayne,	<i>Philadelphia, Pa</i>	G S A22
Carey, Francis John,	<i>Brookline,</i>	29 Kent St., B'kline
Carlton, George Locke,	<i>Cedar City, Mo</i>	11 Dana St
Carpenter, George Nathaniel,	<i>Castine, Me.</i>	J S c42
Catheart, Noble Aydelotte,	<i>Hackensack, N. J</i>	J S B41
Chambers, Ambrose Ely,	<i>New York, N. Y</i>	P S B31
Chambers, Robert Husted,	<i>New York, N. Y.</i>	Go A22
Chandler, Porter Ralph,	<i>Geneseo, N Y.</i>	Go A34
Chansky, David,	<i>Boston,</i>	126 Brighton St., Boston
Chapin, Russell,	<i>Springfield,</i>	G S A11
Chase, George Davis, Jr.	<i>Orono, Me</i>	Go D43
Chase, Samuel Brown, Jr	<i>Great Falls, Mont</i>	Sd B41

Chen, Hung-chen,	<i>Peking, China,</i>	P.S. A31
Cheney, Philip Loring,	<i>Boston,</i>	G.S. c32
Church, Fermor Spencer,	<i>Washington, Conn.,</i>	J.S. b23
Church, James Scott,	<i>Cambridge,</i>	P.S. b43
Churchill, John Martland Brewer,	<i>Boston,</i>	Sd. b34
Clark, Edward Andrews, Jr	<i>Jamaica Plain,</i>	Go. b34
Clayton, Louis,	<i>Malden,</i>	9 Almont St., Malden
Coggins, Paul Pond,	<i>Newton Centre,</i>	G.S. b42
Cohen, David,	<i>Roxbury,</i>	36 Edgewood St., Rox.
Cohen, Reuben Hilliard,	<i>W. Roxbury,</i>	4 Shaw St., W. Rox.
Colby, Stoddard Benham,	<i>New York, N. Y.</i>	Go. c23
Conant, Newell Bulkley,	<i>Two Rivers, Wis.</i>	Sd. b13
Connell, Arthur Joseph,	<i>Dorchester,</i>	190 Bowdoin St., Dor.
Connelly, George William,	<i>Winthrop,</i>	P.S. A41
Conrod, Robert Lucas,	<i>Nueva Gerona, Isle of Pines, Cuba,</i>	Go. c51
Cordingley, Joseph Sykes, Jr	<i>Newton Centre,</i>	Go. b34
Cowles, John,	<i>Des Moines, Ia.</i>	Sd. c23
Crafts, Edson Lindsey,	<i>Huntington,</i>	Go. b31
Crane, John Oliver,	<i>Woods Hole,</i>	Go. A21
Crocker, Stuart Miller,	<i>Cambridge,</i>	P.S. b43
Cross, Grosvenor Montgomery,	<i>Minneapolis, Minn.</i>	P.S. c23
Crowley, Albert Henry Aloysius,	<i>Dorchester,</i>	107 Sawyer Ave., Dor.
Cumming, Edward Dilworth,	<i>Irrington, N. Y.</i>	P.S. A21
Cummings, Francis Hathaway,	<i>Boston,</i>	J.S. c33
Cummings, William Leverett,	<i>Brookline,</i>	J.S. c31
Cumner, Prescott Thayer,	<i>Brookline,</i>	Sd. b34
Curley, Thomas Harold,	<i>Dorchester,</i>	45 Sawyer Ave., Dor.
Curran, Maurice Joyce, Jr	<i>Andover,</i>	Randolph 18
Cutler, George Varney,	<i>New York, N. Y.</i>	P.S. A12
Cutter, Harold Bangs,	<i>W. Newton,</i>	Go. b32
Dameshek, William,	<i>Boston,</i>	53 Grove St., Boston
Damon, Edmund Ives,	<i>Waterloo, N. Y.</i>	Go. b45
Damon, Sherman,	<i>Brookline,</i>	Sd. A24
Dart, Clyde,	<i>Upton, Utah,</i>	J.S. b32
Davis, Maclin Paschall,	<i>Stockbridge,</i>	Go. b44
Davis, Wendell,	<i>New York, N. Y.</i>	Sd. A25
Dean, Charles Earle,	<i>Atlanta, Ga.</i>	Go. A11
Decker, Donald Philips,	<i>Allston,</i>	67 Harvard Ave., Allston
Deffer, William Amos, Jr.	<i>Buffalo, N. Y.</i>	J.S. c41
De Ford, William,	<i>Brookline,</i>	Sd. c41
Delapenha, Ferdinand Arthur,	<i>Upper Montclair, N. J.</i>	Go. b31
Denton, Thomas Chadbourne,	<i>Painesdale, Mich.</i>	Sd. p22

Derby, Edward Herbert,	Somerville,	81 Oxford St , Somer.
Diamond, Samuel Myer,	Hyde Park,	37 West St , Hyde Park
Dinsmore, Joseph Campbell,	<i>E. Walnut Hills, Cincinnati, O.</i>	Go B31
Dobson, Arthur Morley,	<i>Poughkeepsie, N Y.</i>	Sd A31
Doherty, Esmonde Thomas,	Boston,	554 Newbury St , Boston
Doherty, Harold Martin,	Newton,	45 Waban St., Newton
Dolan, Thomas Francis, Jr	Newton,	Sd c33
Donald, Edwin Wallace,	Lynn,	P.S A41
Donald, Kenneth Gordon,	Winthrop,	Sd. c51
Donner, Matthew Jay,	Passaic, N. J	J.S. A41
Dore, Stafford John,	Eastport, Me	P.S. c41
Dorr, Goldthwaite Higginson, 2d,	Nutley, N J.	G S B21
Douglass, Alfred Wilson,	Brookline,	Sd. B11
Dowling, Emmett Ambrose,	Lawrenceburg, Ky	Go. E44
Drummev, Robert Bulman,	So Boston,	3 Pleasant Pl , So. Boston
Dunham, Theodore, Jr	New York, N. Y	J.S. A23
Dunphy, William Henry,	Dorchester,	Go. D21
Dunsky, Sidney,	Boston,	34 Chambers St , Boston
Eager, Marcy,	Brookline,	Go. E34
Eaton, James Henry,	Lawrence,	J.S. A13
Ecker, Stanley Brady,	Chicago, Ill.	Go. D41
Eldridge, Lewis Angevine, Jr	Hempstead, L I , N Y	P S B32
Eldridge, William,	Hempstead, L I , N Y	P S B34
Ellsworth, Alfred Sherman	East Milton,	Go. c23
Emery, Ralph Burton,	Newton Centre,	Sd A34
Eustis, George Morris,	Arken, S C	Sd. E34
Evers, Leslie,	Melrose Highlands,	Go B35
Farrar, Ralph Bentley,	Bangor, Me	Go. D43
Fawcett, William Vaughn Moody,	Newton,	Sd c33
Faxon, Henry Hardwick,	Quincy,	J S A24
Fay, John Howard,	Nahant,	Go A12
Fenno, John Brooks, Jr.	Boston,	Sd. D21
Fessenden, Charles Greene,	Oak Park, Ill	Sd A15
Fickinger, William Tressler,	Sewickley, Pa	Go D25
Fineberg, Meyer Hyman,	Cleveland, O	Sd D42
Finkelstein, Maurice Henry,	Boston,	34 Allen St , Boston
Finley, Robert Lawrence,	Albany, N. Y.	Sd B21
Fiske, John,	Cambridge,	Sd c31
Fitz, Howard Irving,	Melrose Highlands,	37 Rockland St , Melrose Hlds.
Flack, Robert Clarence,	Troy, N Y	Sd. A32
Flinn, Harold Milton,	Newton,	M 2
Fordyce, Samuel Wesley, 3d,	Little Rock, Ark	Go. B23

Forster, Gardner,	Milton,	Sd. E21
Forster, Warren Rudolph,	Washington, D. C	Go. E44
Fox, Fred Joy,	Lexington,	Sd. D31
Fraine, Harold Samuel,	Lynchburg, Va	Sd. C51
Frank, Saul Edward,	Roxbury,	8 Hartwell St., Rox.
Franklin, Joseph,	Lynn,	3 Milford St., Boston
French, Alden,	Boston,	J S A34
Frenyear, Allen Chase,	Saybrook, Conn	Sd. C51
Friedman, Joseph,	Newark, N. J.	Sd. E41
Fries, Erik Bjerkander,	Graymont Heights, Birmingham, Ala.	Go. D25
Fruis, Bjorn Stearns Yrap,	Medford,	Stearns Ave., Medford
Frost, Edward Earle,	Utica, N Y	J S. C34
Frothingham, William Bainbridge,	Boston,	Go. A44
Fuller, Wolcott,	Milton,	P S B22
Gade, Gerhard,	Lake Forest, Ill	Go. D32
Galanie, Joseph,	Cambridge,	J.S A42
Gamble, James Kossuth, Jr	Portland, Ore	Go. E43
Ganz, Robert Norton,	Salt Lake City, Utah,	J S. B32
Gardiner, George Charleton Dewey,	Dorchester,	6 Michigan Ave., Dor
Gardner, Charles Sidney,	Newtonville,	Go. B11
Gaston, John,	Boston,	Sd. A12
Gavit, Joseph Lamont,	Englewood, N. J	Sd. C23
Geary, Alfred Harrison,	Chestnut Hill, Philadelphia, Pa.	J S. A21
Gerboth, Hiram Bertelle,	Portland, Ore	P.S. C42
Giles, Thomas Thayer,	So. Lincoln,	P.S. C41
Ginsburg, Alfred Philip,	Dorchester,	24 Bicknell St., Dor.
Girardi, Victor Joseph,	Athol,	Go. D31
Glaser, Joseph, Jr	St. Louis, Mo	II'y 1
Golden, Abraham Edward,	Roxbury,	14 Ruthven St., Rox.
Goldings, Israel Leonard,	Roxbury,	64 Crawford St., Rox.
Goldys, Frank Max,	New Bedford,	Sd. E41
Goodell, Warren Franklin,	Loda, Ill.	J.S. B24
Gourdin, Edward Orval,	Cambridge,	168 River St.
Grandgent, Charles Hall, Jr.	Cambridge,	Go. B33
Grant, Arthur Joseph,	Youngstown, O.	Sd. B13
Gratwick, Roger Wear,	Buffalo, N. Y.	Sd. A22
Greene, Theodore Chase,	Baltimore, Md.	P.S. C33
Gross, Harold Kritzman,	Troy, N. Y.	Go. E23
Guinzburg, Harold Kleinert,	New York, N. Y.	Go. D35
Gulick, Charles Burton, Jr.	Cambridge,	J.S. C29
Gunther, Gordon,	St. Louis, Mo	Go. E11
Haines, Henry Rockwell,	Berkeley, Cal.	Go. D21

Hall, Frederick Hastings,	<i>Taunton,</i>	Go. E48
Hamblett, Robert Burns,	<i>Nashua, N. H</i>	J S. B24
Hamilton, Arthur Dean,	<i>Milton,</i>	Sd. B24
Hamghen, Frank Cleary,	<i>Omaha, Neb</i>	Sd E23
Hanson, George,	<i>Passaic, N J</i>	J.S A41
Hapgood, Powers,	<i>Indianapolis, Ind</i>	Go A31
Hardell, Everett Sterns,	<i>Roxbury,</i>	Go B25
Harlow, Earl Kenneth,	<i>Claremont, N H</i> 215 Harvard Ave., Allston	
Hart, Raymond Daniel,	<i>Lowell,</i>	Sd E32
Hatch, Norman Lowrie,	<i>Temple, Me</i>	J S. C41
Havemeyer, Charles Frederick,	<i>New York, N. Y</i>	Sd A21
Hazard, William Tilden Pelton,	<i>Cedarhurst, L I, N. Y</i>	P S B33
Heffer, William Abbott,	<i>Jamaica Plain, 171 South St, Jam Pl</i>	
Henderson, Gerald,	<i>Wayland,</i>	G S. A31
Henderson, Ralph Ernest,	<i>Newton Centre,</i>	Go A11
Herman, David Samuel,	<i>Passaic, N J</i>	J S. A41
Hill, Crawford, Jr	<i>Denver, Colo</i>	Go C41
Hirsch, Sumner Alwyn,	<i>Cumberland, Md</i>	Go A41
Hirshberg, Eliot Paul,	<i>Brookline,</i>	Go E23
Hodgdon, Howard Wellington,	<i>Dedham,</i>	J S. A11
Hodgdon, John Mendum,	<i>Evanston, Ill.</i>	Go. B23
Hodges, Percy, Jr.	<i>Milton,</i>	Sd E12
Hofer, Philp,	<i>Cincinnati, O</i>	Sd D13
Holbrook, William Sumner, Jr.	<i>Davenport, Ia</i>	Sd. B31
Hollis, Allen, Jr.	<i>Concord, N H</i>	P S A33
Holmes, Jabish, Jr	<i>New York, N Y.</i>	G S B31
Hooker, Osgood,	<i>Burlingame, Cal</i>	Go. C42
Hoose, Warren Joel,	<i>Cleveland, O.</i>	P S. A41
Houghton, Amory,	<i>Corning, N. Y</i>	Sd. E31
Houghton, Henry Arnold,	<i>Brookline,</i>	Sd D34
Hovey, Scott William,	<i>Kansas City, Mo</i>	Sd. E14
Howe, George Wright,	<i>Cambridge,</i>	Go B33
Howe, Quincy,	<i>Boston,</i>	Go. D12
Humphrey, Richard Sears,	<i>Milton,</i>	G S B21
Hunneman, Carleton, Jr.	<i>Brookline,</i>	J S. C23
Huntley, Ralph Theodore,	<i>Newton Centre,</i>	Go. A11
Hurvitz, Joseph Harry,	<i>Boston,</i> 13 Minot St, Boston	
Hutchinson, Winston Sheffield,	<i>Chicago, Ill.</i>	Go. B41
Huttig, William Dougherty Holmes,	<i>Kansas City, Mo</i>	Sd E14
Hyams, Chapman Henry, 3d,	<i>New London, Conn.</i>	Sd E31
Ingersoll, Winchester Fitch,	<i>White Plains, N. Y.</i>	Sd B21
Irvin, Joseph,	<i>Philadelphia, Pa.</i> 22 Plympton St.	

Jackson, Paul Edward,	<i>Brighton,</i>	Go. c44
Jacobson, James Charles,	<i>Cedarhurst, L. I., N. Y.</i>	Go. A41
Jeffris, Rufus Roys,	<i>Janesville, Wis.</i>	P.S. A32
Jenks, Barton Pickering, Jr.	<i>Providence, R. I.</i>	Go. D45
Jenny, Reginald,	<i>Brookline,</i>	Sd. c32
Jennings, Edward Borden, Jr.	<i>Fall River,</i>	12 Chauncy St.
Johnson, Charlton Frost,	<i>Haverhill,</i>	G.S. B22
Johnson, Francis Durfee,	<i>Fall River,</i>	S. 13
Johnston, Charles Randolph,	<i>Brookline,</i>	J.S. A31
Jordan, Sidney Sauzade, Jr.	<i>Readville,</i>	Go. E45
Joslin, Ralph Davis,	<i>Winchester,</i>	Sd. B33
Jourdain, Edwin Bush, Jr.	<i>New Bedford,</i>	Sd. F41
Kahn, Myron David,	<i>Cincinnati, O.</i>	Go. B42
Kallis, Milton Albert,	<i>La Grange, Ill.</i>	J.S. B42
Kaplan, Joseph Herbert,	<i>Dorchester,</i>	43 Elmo St., Dor.
Kaplan, Theodore Howard,	<i>Dorchester,</i>	26 Harlem St., Dor.
Keane, John Francis, Jr.	<i>Bridgeport, Conn.</i>	Go. B41
Keegan, Raymond Henry,	<i>Springfield,</i>	Go. E13
Kelleher, Campbell,	<i>Seattle, Wash.</i>	Sd. A25
Kelley, John Raymond,	<i>Cambridge,</i>	69 Fayerweather St.
Kellogg, Stanley Nathan,	<i>Arlington,</i>	Go. c21
Kenyon, William Houston, Jr.	<i>New York, N. Y.</i>	P.S. B31
King, Appleton,	<i>Milton,</i>	J.S. c32
King, Henry Parsons,	<i>Boston,</i>	Go. A45
King, Robert Benning,	<i>Grove Hall,</i>	Go. B18
Kirschbaum, Alan Bernard,	<i>Philadelphia, Pa.</i>	Go. E42
Kister, Mark Alexis, 2d,	<i>Glens Falls, N. Y.</i>	P.S. A34
Knox, Nelson Rulison,	<i>San Rafael, Cal.</i>	Go. D33
Koch, Herman, Jr.	<i>Brookline,</i>	39 Kent St., Brookline
Krebs, Roland Sewell,	<i>Euclid Heights, Baltimore, Md.</i>	19 Myrtle St., Boston
Kritzman, Charles Morton,	<i>Hudson, N. Y.</i>	P.S. c21
Krogness, Christopher George, Jr.	<i>Oak Park, Ill.</i>	Go. E22
Lamont, Thomas Stilwell,	<i>Englewood, N. J.</i>	Sd. c23
Landers, Wilbur Nelson,	<i>Dorchester,</i>	11 Trescott St., Dor.
Lapham, Kenneth Holmes,	<i>Dorchester,</i>	22 Wheatland Ave., Dor.
Larsen, Roy Edward,	<i>Brookline,</i>	J.S. A12
Lautner, Joseph Frederick,	<i>Evansville, Ind.</i>	J.S. A22
Lawson, Franklin Hey,	<i>Cincinnati, O.</i>	J.S. c22
Lazo, Hector,	<i>New York, N. Y.</i>	Sd. c51
Lee, George Cabot, Jr.	<i>Westwood,</i>	Sd. E22
Leslie, Clinton,	<i>E. Northfield,</i>	Sd. c51
Leven, Robert Irving,	<i>Chicago, Ill.</i>	Go. c43

Levenson, Moses Irving,	Roxbury,	135 Homestead St., Rox
Levy, Abram, Jr	Augusta, Ga.	P S B52
Levy, Harry,	Maplewood,	110 Laurel St , Maplewood
Lays, James Farquharson, Jr	Charlestown,	J S c29
Li, Ta,	Soo-Chow, China,	P S. A31
Lieb, Victor Hugo,	Cambridge,	10 Poplar R'd
Linder, David Hunt,	Canton,	Go A33
Lindstrom, Edward Sylvester,	Fayville,	J S B13
Littlefield, Edward Winchester,	Needham,	Sd. D32
Long, Elmer Ebert,	Oak Park, Ill	Go E22
Lothrop, Francis Bacon,	Boston,	Sd. B22
Lowell, James Arnold, Jr	Chestnut Hill,	P S A25
Lutz, Robert Eliot,	Newton,	91 Park St , Newton
Lyon, Leslie Michael,	Kansas City, Mo.	J S A14
McAdams, James Philip, Jr.	Lowell,	Sd A41
McArdle, Edward Hoxsie,	Cambridge,	7 Ware St
McCann John Francis, Jr	So Boston,	632 E Seventh St , So Boston
McCord, David Thompson Watson,	Cambridge,	11 Story St
Macdonald, Chisholm Nicholson,	Newark, N J	J S c28
McDonald, Thomas Truman,	Peabody,	49 Franklin St , Peabody
MacDonell, James Alfred,	Lima, O	P S A32
McElwain, Alexander,	Boston.	Sd E22
MacFadden, Hamilton,	Cambridge,	Go c44
MacIntyre, Alden Haddon,	Dorchester,	J S A12
Macurdy, Ernest Hayes,	Watertown,	28 Chester St , Watertown
MacVough, Francis Wayne,	New York, N Y	J S B14
McVey, Camden Hogg,	Cambridge,	Sd A34
Mahoney, Stephen Edwin,	Holyoke,	Sd B31
Maffach, Jorge Valentin,	Cambridge,	4 Ellsworth Ave.
Mannes, Leopold Danirosch,	New York, N Y	Go A13
Manning, James Higinson,	Dedham,	P S. B42
Mansfield, Frank Winslow Jr	Canton,	P S c21
Mafr, James Hilton,	Quincy,	81 Goddard St , Quincy
Marsh, Alonzo Kimball,	New York, N Y	22 Plympton St
Marshall, Kendrick Nichols,	Brockton,	J S B42
Martin, John,	Arlington Heights,	10 Harvard St , Arlington H'ts
Martin, Joseph,	Taunton,	28 Kent C't, Somer
Martin, William Bosworth,	Lowell,	G S B41
Marvin, William Bent,	Portsmouth, N H	G S A31
Masters, Charles Edward,	Newton Centre,	J S B11
Mateyka, Clarence Francis,	Cleveland, O	P S A41
Matz, Sidney,	Brooklyn, N Y.	G S c81

May, Geoffrey Jacobs,	<i>Minneapolis, Minn</i>	Go. D42
Means, Winthrop Johnson,	<i>Brookline,</i>	J.S. C31
Meehan, Thomas James, Jr	<i>New York, N. Y</i>	Sd. B41
Meeker, John Royce,	<i>New York, N. Y</i>	Sd. E12
Merwin, Davis,	<i>Bloomington, Ill</i>	G.S. A32
Miller, Lee Graham,	<i>Scymour, Ind.</i>	Go. C21
Millet, Howard,	<i>Malden,</i>	Westmorly 24
Mills, Abbot Low, Jr	<i>Portland, Ore</i>	Go. A24
Mills, Thomas Helme,	<i>Portland, Ore</i>	Go. A24
Mitchell, John Murray,	<i>Tuxedo Park, N. Y</i>	Sd. B23
Moir, Thomas Niven,	<i>Upper Montclair, N. J.</i>	Go. D44
Monks, George Gardner,	<i>Boston,</i>	Go. C22
Montague, Sidney Alfred,	<i>New Britain, Conn</i>	Go. B25
Mood, Fulmer Franklin,	<i>Oakland, Cal</i>	Go. D21
Moore, Harry Leshe,	<i>Somerville,</i>	18 Flint St., Somer
Morgan, Alexander Donald, Jr	<i>West Roxbury,</i>	22 Bellevue St., W. Rox
Morris, Dave Hennen, Jr	<i>New York, N. Y.</i>	Sd. E15
Morse, Richard Alline,	<i>Milton,</i>	G.S. B22
Morss, James Reed,	<i>Chestnut Hill,</i>	P.S. B12
Mott-Smith, Ernest Campbell,	<i>Honolulu, Hawaii,</i>	J.S. B23
Mousheghian, Garabed Nazar,	<i>Lowell,</i>	Sd. A41
Mulliken, Warren Gage,	<i>Roxbury,</i>	26 Perrin St., Rox.
Murphy, Frederick Parks,	<i>Norwalk, Conn.</i>	Sd. D11
Murray, William Dowdney,	<i>Yonkers, N. Y.</i>	Go. B35
Nally, James Edward,	<i>Amesbury,</i>	Sd. A41
Nash, Paul Francis,	<i>Newton,</i>	Sd. C33
Nichols, Arthur Boylston, Jr	<i>Cambridge,</i>	Sd. C31
Nichols, Charles Barker,	<i>Lowell,</i>	P.S. B32
Nisson, Philip Samuel,	<i>Brooklyn, N. Y.</i>	110 Laurel St., Maplewood
Noll, Daniel Follmer,	<i>Cambridge,</i>	23 Granville R'd
O'Connell, Dennis Francis, Jr.	<i>Dorchester,</i>	158 Adams St., Dor.
O'Connell, James Henry,	<i>Hingham,</i>	Elm St., Hingham
O'Donnell, Charles Constantine,	<i>Lowell,</i>	Sd. B12
Olmsted, Marlin Edgar,	<i>Harrisburg, Pa.</i>	Sd. A12
Ordway, Samuel Hanson, Jr	<i>New York, N. Y.</i>	J.S. C22
Orr, Thornton Wallace,	<i>New York, N. Y.</i>	G.S. C22
Osgood, Albert Neill,	<i>Brookline,</i>	Go. C31
Ott, Horace Wesley,	<i>Crown Point, Ind.</i>	P.S. B41
Pabst, Gustave, Jr.	<i>Milwaukee, Wis.</i>	Sd. E35
Page, Charles Albert,	<i>Chestnut Hill,</i>	Go. D23
Page, Charles Chase,	<i>Boston,</i>	Sd. E32
Palmer, Grant Merrill, Jr.	<i>Weston,</i>	J.S. C41

Palmer, Morse Case,	<i>Omaha, Neb</i>	J S. c26
Pantaleoni, Guido, Jr	<i>St Louis, Mo</i>	G S. A11
Parker, Philip Stanley, Jr	<i>Brookline,</i>	Go. D13
Parsonnet, Eugene Victor,	<i>Newark, N. J</i>	P S. A34
Payne, John Atkins,	<i>Rochester, N. Y</i>	J S. B42
Payson, Gilbert Russell, Jr	<i>Belmont,</i>	J S. B22
Peale, Rodgers,	<i>Summit, N. J</i>	J S. A32
Pear, William Wesley,	<i>Cambridge,</i>	Sd. D32
Pedersen, Niels Albert,	<i>Omaha, Neb</i>	P S. C42
Peirce, Walter Theodore,	<i>Arlington,</i>	Sd. D11
Peirson, Edward Lawrence, Jr	<i>Salem,</i>	Sd. D22
Perkins, Fred William, Jr	<i>Cambridge,</i>	18 Ellery St.
Perrin, Hugh,	<i>Brookline,</i>	P. S. B12
Perry, Chester Dwight,	<i>Rockland,</i>	J S. A22
Perry, Foster Mandeville,	<i>New York, N. Y</i>	P S. A22
Perry, Francis Underwood,	<i>Santa Barbara, Cal</i>	Sd. C21
Philps, Roderick Johnstone,	<i>New York, N. Y</i>	G S. A22
Piazza, Anthony Andrew,	<i>Lawrence,</i>	J S. A42
Pike, Jacob,	<i>E. Boston,</i> 320 Sumner St., E. Boston	
Plumier, James Marshall,	<i>Boston,</i>	Go. B45
Pond, Thomas Temple,	<i>Neponset,</i>	Go. B45
Powers, Robert Weigel,	<i>Nutley, N. J</i>	Sd. C43
Powung, Henry Glenn, Jr	<i>Brookline,</i>	Randolph 17
Prenner, Manuel,	<i>Rochester, N. Y</i>	Sd. D42
Prescott, Bryant,	<i>New Bedford.</i>	Go. B32
Prouty, Lawrence William,	<i>Accord,</i>	Go. C52
Pyle, Walter Lytle, Jr	<i>Merion, Pa</i>	Go. A43
Quirin, Henry Arnold,	<i>Manchester, N. H</i>	Beck 2
Rabinovitz, Sidney,	<i>Roxbury,</i>	Fairfax 16
Ramsey, Guy Haylett,	<i>New York, N. Y</i>	Go. E21
Rand, Lenox Hawes,	<i>New York, N. Y.</i>	Go. A23
Ranlett, Louis Felix,	<i>Auburndale,</i>	Go. B11
Raymond, Arthur Emmons,	<i>Pasadena, Cal</i>	Sd. D23
Read, John Bertram, Jr	<i>Cambridge,</i>	Randolph 60
Redmond, John Augustine,	<i>Cambridge,</i>	41 Tuttle St.
Remick, Joseph Gould,	<i>Winchester,</i>	Sd. E11
Reycroft, George Moulton,	<i>Arlington,</i> 234 Pleasant St., Arlington	
Reynolds, George Daniel,	<i>Cambridge,</i>	64 Prentiss St.
Rhodes, Albert Whitney,	<i>Brookline,</i>	J S. B31
Richards, Edgar Ott,	<i>Easton, Pa</i>	Go. B24
Richards, William Theodore,	<i>Cambridge,</i>	Go. E31
Richmond, Stacy Curtis, Jr	<i>Dongan Hills, S. I., N. Y.</i>	J S. C20

Rucker, Ellery Tuttle,	<i>Perry, Me</i>	471 Broadway
Rinehart, Alan Gillespie,	<i>Sewickley, Pa</i>	P.S. B14
Robb, James Hampden,	<i>New York, N Y</i>	Sd. D24
Roberts, Sumner Mead,	<i>Boston,</i>	P.S. B24
Robinson, Frederic John,	<i>Watertown,</i>	Sd. B42
Robinson, Snelling Salter,	<i>Youngstown, O.</i>	Westmorly 10B
Rodewald, William MacNeill, Jr	<i>New York, N Y</i>	Go. E11
Rodman, Samuel,	<i>Chelsea,</i>	109 Congress Ave., Chelsea
Rogers, Robert Page,	<i>Chestnut Hill,</i>	G.S. B42
Rosenthal, Harold Leonard,	<i>New York, N Y.</i>	Go. D35
Ross, Jerome Norwood,	<i>Dover, N H.</i>	G.S. B12
Rotch, Arthur,	<i>Boston,</i>	Sd. B24
Rugg, William Coolidge,	<i>Watertown,</i>	Go. C21
Ryan, Charles Vincent, Jr.	<i>Springfield,</i>	Go. E13
Ryan, John Carlos,	<i>New York, N. Y.</i>	Go. A21
Ryan, John Julian,	<i>Brookline,</i>	1595 Beacon St., Brookline
Salter, Paul,	<i>Chelsea,</i>	Go. D41
Saperstein, Abraham,	<i>E. Boston,</i>	437 Meridian St., E. Boston
Saxe, Leonard Spier,	<i>Brookline,</i>	P.S. C11
Scamman, Otis Eugene,	<i>Brookline,</i>	116 Englewood Ave., B'kline
Schlack, Bruno,	<i>Philadelphia, Pa.</i>	Go. C51
Schmid, Albert William,	<i>New York, N Y</i>	P.S. B34
Schneider, Emil Jacob,	<i>Roxbury,</i>	34 Fisher Ave., Rox.
Schuyler, Philip Nelson,	<i>Portland, Me.</i>	P.S. C33
Schwartz, Louis,	<i>Cambridge,</i>	57 Otis St.
Schwarz, Leo Wolfgang,	<i>White Plains, N. Y.</i>	Dana 32
Scott, Jarvis Mansfield,	<i>Newtonville,</i>	G.S. B42
Sedgwick, Robert Minturn,	<i>New York, N Y</i>	P.S. A24
Segal, Josiah David,	<i>Winthrop,</i>	47 Thornton Park, Winthrop
Sessions, John Archibald,	<i>Northampton,</i>	Sd. A33
Shaw, Ralph Burnham,	<i>Cambridge,</i>	71 Walker St.
Shepard, Winthrop Russell,	<i>Dorchester,</i>	Sd. B41
Shepler, John Rex,	<i>Watertown,</i>	88 Mt. Auburn St., Watertown
Shepley, John,	<i>Concord,</i>	G.S. B12
Silva, Walter,	<i>Springfield,</i>	Go. E13
Simonson, De Calvus William,	<i>Denver, Colo.</i>	Sd. D23
Simpson, Francis Russell,	<i>Newton,</i>	Sd. C33
Simclair, Willard Allen,	<i>Jamaica Plain,</i>	37 Forest Hills St., Jan Pl.
Sise, John,	<i>Portsmouth, N. H.</i>	J.S. A32
Sixbey, De Witt Prentice,	<i>Dorchester,</i>	1 Highland Park
Skerrye, Philip Baldwin,	<i>Templeton,</i>	64 Kirkland St.
Slade, Winthrop, Jr.	<i>Cambridge,</i>	Sd. C81

Smith, Charles Putnam,	<i>Arlington,</i>	Go. B21
Smith, Hermon Dunlap,	<i>Chicago, Ill</i>	Go D23
Smith, Moses,	<i>Chelsea,</i> 287 Washington Ave ,	<i>Chelsea</i>
Smith, Norman,	<i>Far Rockaway, N. Y</i>	J S B11
Smith, Robert Herman, Jr	<i>So Boston,</i> 32 Telegraph St ,	<i>So Boston</i>
Snelling, Henry Bigelow Williams,	<i>Concord,</i>	Sd E13
Snow, Kitchell,	<i>Boston,</i>	Dunster 21
Soper, George Albert, Jr	<i>New York, N Y.</i>	Go C31
Sorensen, Anders Skriver,	<i>Cornang, N Y</i>	Go C32
Spelman, Henry Munson, Jr	<i>Cambridge,</i>	J S B22
Sperling, Benjamin Isadore,	<i>Wilkes-Barre, Pa</i>	Sd E41
Spero, Richard Oscar,	<i>Boston,</i> 43 Union Park,	<i>Boston</i>
Spiegel, Herbert Adolph,	<i>Milwaukee, Wis</i>	Go D45
Spivak, Lawrence Edmund	<i>Brooklyn, N Y</i>	Go D41
Sprout, William Bradford, Jr	<i>Brookline,</i> 86 Addington R'd,	<i>B'kline</i>
Stamper, Oliver Cromwell,	<i>Hindman, Ky</i>	Sd B41
Starr, Harry,	<i>Gloversville, N Y</i>	Go. D41
Steele, John Murray, Jr	<i>Garrison, Md</i>	Sd. A23
Steele, Leroy Powell,	<i>Belmont,</i> 33 Grove St ,	<i>Belmont</i>
Stern, Alfred Kaufman,	<i>Fargo, No Dak</i>	Sd. A11
Steward, Gilbert Livingston	<i>Goshen, N Y</i>	J S B21
Stillman, Carl Senff, Jr	<i>Wellesley,</i>	J S B34
Stillman, Elijah Hubbard,	<i>Wellesley,</i>	J S B34
Stoddart, Laurence Bowring, Jr	<i>New York, N Y</i>	Sd D12
Stone, Ronald Mason,	<i>Watertown,</i>	Sd B42
Storow, Edward Cabot, Jr	<i>Readville,</i>	Sd. E22
Stranahan, Fannand Stewart, Jr	<i>Providence, R I</i>	G S A32
Straus, Isidor, 2d,	<i>New York, N Y</i>	P S A23
Straus, William Levi, Jr	<i>Baltimore, Md</i>	G S C31
Stubbs, John Osmon,	<i>Portland, Ore</i>	Go A31
Sullivan, Carroll Frederick	<i>Lowell,</i>	Sd A41
Sumner, Ernest Ralph,	<i>New York, N Y.</i>	Sd C43
Sutton, Gardner,	<i>No Andover,</i>	Sd C41
Svenson, Henry Knute,	<i>Malden,</i> 60 Willard St ,	<i>Malden</i>
Swan, James Taylor,	<i>Passaic, N J</i>	J S C20
Sweeney, Frederick John,	<i>Brighton,</i> 183 Faneul St ,	<i>Brighton</i>
Sweet, Philip Whitford Kirkland,	<i>Newton,</i>	P S A26
Swirsky, Joseph,	<i>Springfield,</i>	P S. B52
Taggard, Henry Parker,	<i>Brookline,</i>	J S. A34
Taran, Leo Maurice,	<i>Manchester, N H.</i>	Sd. D42
Taylor, Charles Henry, 3d,	<i>Boston,</i>	Go A42
Taylor, James Edwin Campbell,	<i>Columbus, O.</i>	P S. A26

Teel, Norcross,	<i>Medford,</i>	30 Woodland Ave , Medford
Thayer, James Bradley,	<i>Boston,</i>	Go A34
Thayer, Nathaniel,	<i>Lancaster,</i>	Sd. D21
Thayer, Thomas Redmond,	<i>Brooklyn, N. Y</i>	Go A23
Thomas, Harold Allen,	<i>Dorchester,</i>	136 Stoughton St , Dor
Thompson, Frederick Allen,	<i>Washington, D C.</i>	Go. E33
Thomson, Edward Wright,	<i>Boston,</i>	J.S. B12
Thorndike, Robert Amory,	<i>Boston,</i>	Sd E33
Thurston, Harrington Pierce,	<i>Cambridge,</i>	Go B25
Tishman, Paul,	<i>New York, N Y</i>	Go. E11
Toepke, Herman William,	<i>Cincinnati, O.</i>	P S. C42
Tolman, Gilbert, Jr.	<i>Canton,</i>	Claverly 10
Toohy, John Joseph,	<i>Cambridge,</i>	1000 Charles River R'd
Tower, Joseph Tuckerman, Jr.	<i>Millbrook, N Y.</i>	Sd E21
Trask, Willard Ropes,	<i>Boston,</i>	J S C24
Trott, Emery Johnstone,	<i>Lawrence,</i>	J S B33
Van Ingen, Lawrence Bell,	<i>New York, N. Y.</i>	Go C41
Vaughan, Newell,	<i>Brookline,</i>	Go. D34
Vicq, Joseph Hobart de,	<i>Brookline,</i>	22 Linden Pl , B'kline
Viets, John Bartlett,	<i>Arlington,</i>	Go. A11
Villard, Henry Scranno,	<i>New York, N Y.</i>	Go. E41
Wadden, Wilham Robert,	<i>Cambridge,</i>	1 Hancock Park
Wade, Winthrop Howland, Jr	<i>Dedham,</i>	Claverly 21
Wadsworth, Seymour,	<i>Middletown, Conn.</i>	Sd C22
Wales, Thomas Crane,	<i>Chestnut Hill,</i>	Sd. A24
Ward, Robert Saltonstall,	<i>Cambridge,</i>	Go A33
Ware, Leonard, Jr	<i>Roxbury,</i>	Go B13
Ware, Robert Hughes,	<i>Brookline,</i>	Westmorly 136
Warner, Carlos Julius,	<i>North Randall, O</i>	J S. B41
Warner, Charles Henry, Jr.	<i>Fall River,</i>	Go. A13
Washburn, Everett Leslie,	<i>Hopkinton,</i>	Ashland R'd, Hopkinton
Watkins, Lemuel Adelbert,	<i>Roxbury,</i>	Go. C23
Weaver, Ralph Rogers,	<i>Whitestone, L. I , N. Y.</i>	Go. D3T
Webber, Stephen,	<i>Calais, Me.</i>	P.S. B21
Weeks, George McDougall, Jr.	<i>San Francisco, Cal.</i>	Go. D33
Weld, Edric Amory,	<i>Santa Barbara, Cal.</i>	Go. C84
Westerman, Isadore Lewis,	<i>Stoughton,</i>	956 Washington St., Stoughton
Wettrich, Samuel Gilbert,	<i>Cleveland, O</i>	Go. D31
Wheatland, Stephen,	<i>Topsfield,</i>	Go. A32
Whelden, Chester Howard, Jr.	<i>Newtonville,</i>	93 Madison Ave , Newtonville
White, Henry Dana,	<i>Wellesley Hills,</i>	Go. A35
White, James Norman,	<i>Arlington,</i>	Go. C23

Whitman, Winslow,	<i>Evanston, Ill</i>	Sd D33
Whittle, Arnold James,	<i>Somerville,</i>	8 Madison St., Somer
Wilcox, Frederick Borden,	<i>Fall River,</i>	P S. A41
Wilkins, William Thomas, Jr	<i>Kingsbee, S C</i>	94 Prescott St
Williams, Bradford Durrell,	<i>Newtonville,</i>	M. 2
Wood, John Meyer,	<i>Brooklyn, N Y</i>	Go B43
Wrenn, George Lawson, 2d,	<i>Dedham,</i>	Claverly 14
Wright, Osmar Falls,	<i>New York, N Y.</i>	Sd. A13
Wyner, Maurice Elhot,	<i>Dorchester,</i>	Go E42
Young, Charles Jacob,	<i>Riverside, Conn</i>	P S B31

UNCLASSIFIED STUDENTS

Ashcraft, John Dunklin,	<i>Florence, Ala</i>	M 32
Baer, Harold Kenneth,	<i>New Castile, Pa</i>	T. 65
Basham, Alva Bryan,	<i>Shawnee, Okla</i>	467 Broadway
Black, William Garland,	<i>La Fayette, Ala</i>	41 Warwick St., Boston
Bortz, Edward Le Roy,	<i>Greensburg, Pa</i>	S. 14
Buhler, Yves Henry,	<i>Paris, France,</i>	Westmorly 37
Butterfield, Walton,	<i>New York, N Y.</i>	W. 1
Caldwell, Arthur Le Roy,	<i>Greensboro, N C.</i>	T 55
Carrigan, Paul William,	<i>Ayer,</i>	3 Newton St , Ayer
Chêng, Ssu-ts'ung Ta-yu,	<i>Kashing, Chekiang, China,</i>	53 Oxford St
Cheshire, Leshe Roosevelt,	<i>Oyster Bay, N. Y.</i>	H 30
Cohn, Harry Marcus,	<i>Cincinnati, O</i>	S. 2
Cook, Robert Louis,	<i>Brookline,</i>	12 Goodwin Pl , B'kline
Daugherty, Willis Vance,	<i>Wichita, Kan.</i>	H'y 6
Davis, Justin McConnell,	<i>Reedsburg, Wis.</i>	1132 Mass Ave.
Elliott, William Nevyn,	<i>Blue Ridge Summit, Pa.</i>	1218 Mass. Ave.
Fanning, Raymond Sam,	<i>Chattanooga, Tenn.</i>	Gnt. 3
Finn, Julius Gerstein,	<i>Roxbury,</i>	41 Georgia St., Rox.
Fischer, George Lyle,	<i>Kewanee, Ill</i>	106 Trowbridge St.
Fiske, Eustace Bridge,	<i>W. Somerville,</i>	285 Summer St., W. Somer.
Flaherty, James Dion,	<i>Cincinnati, O</i>	Claverly 39
Frick, Gage Carlin,	<i>Kansas City, Mo</i>	Claverly 13
Galligan, Joseph Warren,	<i>Roxbury,</i>	84 Warren St., Rox.
Gardner, John Raymond,	<i>Worcester,</i>	6 Holyoke Pl
Ginsburg, Edward Bellamy,	<i>New Britain, Conn.</i>	G. 15
Goepfer, Kenneth Weisse,	<i>Cambridge,</i>	73 Highland Ave.
Gredler, Frank Seraf,	<i>Middlebury, Vt</i>	D. 5
Hanson, Miles, Jr.	<i>Roxbury,</i>	24 Kenilworth St , Rox.
Harris, John Everett,	<i>Louisville, Ky.</i>	1560 Cambridge St

Haskell, Herman Jonas,	<i>Dorchester,</i>	23 Tophlf St., Dor.
Hatch, Harold Elden,	<i>Akron, O.</i>	T. 65
Irvine, Charles Nes,	<i>Zanesville, O.</i>	Claverly 35
Isber, Solomon,	<i>Boston,</i>	57 Spring St., Boston
Janzlik, Herbert Alphonse,	<i>Trenton, N J</i>	Claverly 57
Kennedy, George Henry, Jr	<i>Buffalo, N Y.</i>	W 23
La Bonté, Harold Roland,	<i>Lawrence,</i>	19 Cross St., Lawrence
Levy, Leo Arthur,	<i>New Brighton, Pa</i>	W 42
Lidman, Samuel William,	<i>Norfolk, Va</i>	75 Fayette St
Lilly, Edward,	<i>Shirley,</i>	Church St., Shirley
Logan, Milan Alexander,	<i>Cambridge,</i>	1 Fainwood Circle
Martin, John Adam,	<i>Cambridge,</i>	421 Broadway
Maslen, William MacMillan,	<i>Hartford, Conn.</i>	56 Boylston St.
Moskow, Jay Irving,	<i>Dorchester,</i>	33 Angell St., Dor
Munroe, Oliver Hall,	<i>Melrose,</i>	22 Howard St., Melrose
Nef, John Ulric, Jr	<i>Chicago, Ill</i>	Dana 29
Newsom, Francis Ward,	<i>Fort Madison, Ia.</i>	T. 65
Nunneker, Charles Louis,	<i>Cincinnati, O.</i>	G. 45
Ormsby, John Gregory,	<i>Dorchester,</i>	389 Adams St., Dor.
Orr, James Hunter,	<i>Boston,</i>	103 Gainsboro St., Boston
Osgood, Foster,	<i>Rockland,</i>	H. 27
Osgood, Russell,	<i>Rockland,</i>	H. 27
Pais, Saul,	<i>Roxbury,</i>	20 Intervale St., Rox.
Perkins, Kenneth Wheeler,	<i>Castine, Me</i>	10 Mellen St.
Peterson, Oscar Geoffrey,	<i>Oakland, Neb</i>	61 Austin St.
Pinger, Allen Wainwright,	<i>Treadwell, Alaska,</i>	42 Kirkland St
Quett, Glenn Chesney,	<i>Tacoma, Wash</i>	II 4
Raegner, Louis Christian, Jr.	<i>New York, N Y</i>	Hampden 48
Rogers, Cornwell Burnham,	<i>New York, N. Y.</i>	22 Plympton St.
Rouda, Leonard William,	<i>Cincinnati, O.</i>	T. 2
Sadler, Frank Benjamin,	<i>Newton Centre, 63 Crescent Ave., Newton Centre</i>	
Scheinfel, Samuel,	<i>Malden,</i>	121 Tremont St., Malden
Scliber, Samuel Harold,	<i>Boston,</i>	50 Garden St., Boston
Sheerin, Frank Mayo,	<i>Dallas, Tex.</i>	M. 6
Spendel, Clement Miller,	<i>Cleveland, O.</i>	Fairfax 32
Steele, Percy Davis,	<i>McArthur, O</i>	M. 39
Strout, Richard Lee,	<i>Arlington,</i>	229 Broadway, Arlington
Summy, Ralph Victor,	<i>Manheim, Pa.</i>	T. 34
Sundberg, Elmer Frederic,	<i>Union Hill, N. J.</i>	87 Pleasant St., Winthrop
Tang, Yu Loo,	<i>Shanghai, China,</i>	106 Hammond St.
Taylor, Edward Langworthy,	<i>Lincoln, Neb.</i>	20 Holyoke St.
Thayer, Percy Edward,	<i>Avon,</i>	11 Pond St., Avon

Thomas, Leonard Ewing,	<i>Kansas City, Mo</i>	H'y 6
Trow, Donald Gilman,	<i>Sherburne, N Y.</i>	M 21
Wallace, William Ross, Jr	<i>Salt Lake City, Utah,</i>	Russell 22
Wann, Wilfred Curtis,	<i>Hays, Kan</i>	T. 34
Winitzky, Nochem Samuel,	<i>Wilkes-Barre, Pa</i>	M. 25
Wynne, John Shriver,	<i>Washington, D C</i>	Go 233

OUT-OF-COURSE STUDENTS

Auslander, Joseph,	<i>Brooklyn, N Y.</i>	1709 Cambridge St.
Baker, Henry,	<i>Dorchester,</i>	194 Callender St, Dor
Beal, Jarvis Thayer,	<i>West Newton,</i>	49 Eddy St, W Newton
Bernard, Emanuel,	<i>So Boston,</i>	195 Dorchester St, So Boston
Coleman, Cornelius Emmett,	<i>Johnson, Vi</i>	34 Mt Auburn St.
Cutting, Winthrop Bailey,	<i>Lexington,</i>	83 Commercial St, Boston
Darrow, Leland Gay,	<i>Cambridge,</i>	41 Prentiss St
Goldthwait, Crawford,	<i>Winchester,</i>	W 11
Henderson, Howard,	<i>Hingham,</i>	Fairfax 22
Hicks, Thomas Mason Bacon, Jr	<i>Cambridge,</i>	60 Kirkland St
Himmer, William Conrad,	<i>Lawrence,</i>	M 14
Johnson, Ellsworth Egbert,	<i>Boise, Idaho,</i>	Westmorly 43
King, Franklin William,	<i>Cambridge,</i>	1131 Mass Ave
King, Harold Skinner,	<i>Cambridge,</i>	54 Concord Ave
Konikow, William Morris,	<i>Roxbury,</i>	486 Warren St, Rox.
Liptzer, Morris,	<i>Roxbury,</i>	20 Waumbeck St, Rox
Mechem, Philip Russell,	<i>Chicago, Ill</i>	Claverly 44
Miller, George Alexander,	<i>Van Buren, Ark</i>	Cedarcrest Farm, Waltham
Moyer, Jerome Bayard,	<i>New York, N Y</i>	T. 47
Norton, Cyril Dexter,	<i>Chilmark,</i>	24 Mt Auburn St.
Parker, Hayne Harry,	<i>Roxbury,</i>	84 Wayland St, Rox.
Persons, Oren Hutchinson,	<i>Worcester,</i>	1 Devens R'd, Worcester
Porteck, George Ernest,	<i>Lowell,</i>	M 14
Stolberg, Benjamin,	<i>Munich, Germany,</i>	1697 Cambridge St.
West, Earle Thompson,	<i>Woburn,</i>	G. 44

SUMMARY

SENIORS	.	215
JUNIORS	.	359
SOPHOMORES	.	446
FRESHMEN	.	559
UNCLASSIFIED STUDENTS	.	77
OUT-OF-COURSE STUDENTS	.	25
Total .	.	1,681

GRADUATE SCHOOL OF ARTS AND SCIENCES

TRAVELLING FELLOWS

NAME	HOME RESIDENCE	PRESENT ADDRESS
Connolly, Joseph Peter, A B (<i>Oberlin Coll., O.</i>) 1912, A M (<i>Univ. of Missouri</i>) 1915, A.M. (<i>Harvard Univ.</i>) 1916 III yr I yr as Travelling Fellow. Frederick Sheldon Fellow	Cleveland, O Geology.	Morenci, Ariz
Crozier, William John, S B (<i>Coll. of the City of New York</i>) 1912, A M (<i>Harvard Univ.</i>) 1914, Ph D (<i>ibid.</i>) 1915 VI yr III yr as Travelling Fellow Frederick Sheldon Fellow	Agar's Island, Bermuda, Zology	Bermuda [Bermuda Biological Station, [Agar's Island
Demos, Raphael, A B (<i>Anatolia Coll., Turkey</i>) 1910, Ph D (<i>Harvard Univ.</i>) 1916. Secretary-Librarian, 1910-13, Anatolia College, Turkey V yr I yr as Travelling Fellow	Constantinople, Turkey, Frederick Sheldon Fellow	London, England [Care P. Yannas, [40 Lime St., E. C.
Haas, Albert Richard Carl, S B (<i>Pennsylvania State Coll.</i>) 1913, S M (<i>ibid.</i>) 1914, A M (<i>Harvard Univ.</i>) 1916, Ph D. (<i>ibid.</i>) 1917 Instructor in Botany, Pennsylvania State College, on leave of absence III yr I yr. as Travelling Fellow	Seranton, Pa Frederick Sheldon Fellow	Berkeley, Cal. [2416 Martinez Ave
McKinley, Carl Keister, A B 1917 I yr	Galesburg, Ill. Elkan Naumburg Fellow	New York, N. Y. [501 W. 121st St.
Minnich, Dwight Elmer, A B. (<i>Miami Univ., O.</i>) 1910, Ph D (<i>Harvard Univ.</i>) 1917. Teacher of Mathematics, 1910-12, Kenton High School, O. IV yr I yr as Travelling Fellow.	Oxford, O Parker Fellow.	Berkeley, Cal. [Hotel Bancroft.
St John, Harold, A.B. 1914, A M 1915, Ph D. 1917 Fellow	Philadelphia, Pa Frederick Sheldon Fellow	Fort Kent, Me.
Torrey, Ray Ethan, S B (<i>Massachusetts Agricultural Coll.</i>) 1912, A.M. (<i>Harvard Univ.</i>) 1916 Professor of Biology, 1912-15, Grove City College, Pa III yr I yr. as Travelling Fellow.	No. Leverett, Sheldon Fellow	Glenwood Springs, Colo. [Care H. L. Torrey.

- Utsurikawa, Nenozo, *Nihonmatsu, Japan*, Nihonmatsu, Iwashiro, Japan
 Ph B (*Univ of Chicago, Ill*) 1914, Ph D (*Harvard Univ*) 1917
 IV yr I yr as Travelling Fellow Frederick Sheldon Fellow
 Anthropology
- Williams, John Henry, *No. Adams*, Buenos Ayres, Argentina
 A B (*Brown Univ*, R I) 1912, A M (*Harvard Univ*) 1916 [Care United States
 Instructor in English, 1913-15, Brown University III yr [Consulate,
 I yr as Travelling Fellow Frederick Sheldon Fellow Eco- [Laval 341
 nomics

RESIDENT STUDENTS

- Appel, Kenneth Ellmaker, *Lancaster, Pa* 15 Hilliard St
 A B (*Franklin and Marshall Coll*, Pa) 1915, A M (*Harvard Univ*) 1916 III yr
 Edward Austin Fellow Psychology
- Arragon, Reginald Francis, *Cambridge*, C't 44
 A B (*Northwestern Univ*, Ill) 1913, A M (*ibid*) 1914 III yr Instructor in History.
 History (one course)
- Arsove, George Marieve, *Syracuse, N Y* W 53
 A B (*Syracuse Univ*, N Y) 1916 Principal, 1916-17, Peterboro High School, N Y
 I yr University Scholar History
- Azárraga, Francisco, *Calbo, Capiz, P I* 10 Oxford St.
 Graduate Student, *Univ of Indiana*, 1916-17 I yr Psychology
- Babcock, Harold James, *Lynn*, 11 Sachem Terrace, Lynn
 A B 1916 Teacher of Science, Lynn High School I yr Chemistry (one course)
- Bacon, Robert Earle, *Bridgeton, N J* C't 45
 Ph B (*Lafayette Coll*, Pa) 1917 I yr University Scholar English
- Baker, Joshua, Jr *Wellesley Hills, Seaward R'd, Wellesley Hills*
 A B 1917. I yr Naval Reserve Courses
- Basu, Kshitish Chandra, *Howrah, India*, 26 Boylston St
 A.M (*Univ of Calcutta, India*) 1910, S B (*Mass Institute of Technology*) 1915, S M
 (*ibid*) 1916, S M (*Harvard Univ*) 1916 Professor of Mathematics, 1911-13, Tej
 Naray an Jubilee College, Bhagalpur, India. II yr Whiting Fellow Physics
- Bean, Stephen Grant, *Somerville*, 182 Highland Ave., Somer.
 S B (*Colby Coll*, Me) 1905, A M (*Harvard Univ*) 1917 Principal, Locke School,
 Arlington Heights III yr Education
- Bell, James Alexander, Jr *Cambridge*, 12 Remington St.
 Ph B (*Grove City Coll*, Pa) 1908, A B (*Harvard Univ*) 1915 IV yr Education
 (one course)
- Bell, James Washington, *Boulder, Colo* Westmorly 2
 A B, (*Univ of Colorado*) 1912, A M (*ibid.*) 1913 Assistant in Economics, 1913-14,
 University of Colorado IV yr Tutor in the Division of History, Government,
 and Economics Austin Teaching Fellow in Government Proctor Economics
 (one course).

- Bezenberger, Fred Kiekel, *St Charles, Mo.* G 8
S.B. (*St Louis Univ, Mo*) 1914, A.M. (*Harvard Univ*) 1917 IV yr Chemistry
- Bigelow, John Lawrence, *Ann Arbor, Mich* 53 Dunster St
A.B. 1916 I yr Astronomy
- Bigney, Andrew Johnson, *Moore's Hill, Ind* 90 Hammond St
A.B. (*Moore's Hill Coll, Ind*) 1888, A.M. (*ibid*) 1891, S.D. (*ibid*) 1908 Dean and
Professor of Biology, Moore's Hill College, on leave of absence I yr Zoology
- Bixby, Herbert Dallas, *Lowell,* 19 Rutland St, Lowell
Ph.B. (*Tufts Coll*) 1902, A.B. (*ibid*) 1912 Headmaster, Lowell High School III yr
Education (one course)
- Boal, Arthur McClure, *Ronceverte, W. Va* 51 Wendell St
A.B. 1914, LL.B. 1916 I yr Military Science (one half-course)
- Borgman, Albert Stephens, *Detroit, Mich* 42 Kirkland St.
A.B. (*Univ of Michigan*) 1911, A.M. (*Harvard Univ*) 1912 Instructor in English
and German, 1914-15, Norfolk Academy, Va III yr English
- Boyer, Sylvester, *Huntington, Mo* 48 Irving St
A.B. (*Westminster Coll, Mo*) 1912 Instructor in Chemistry, 1915-17, Oregon Agri-
cultural College II yr Assistant in Chemistry Chemistry
- Brand, Carl Fremont, *Greenfield, Ind* G 18
A.B. (*Indiana Univ*) 1915, A.M. (*ibid*) 1916 Teacher of European History, 1916-17,
Hammond High School, Ind I yr University Scholar History
- Bray, Archie Wilmette Leslie, *Cambridge,* 117 Concord Ave
A.B. (*Univ of Cambridge, England*) 1909, A.M. (*Univ of Montana*) 1914 Assistant
Professor of Biology, University of Montana, on leave of absence I yr Townsend
Scholar Zoology
- Brennan, Jeremiah Francis, *Brighton,* 58 Dustin St, Brighton
A.B. (*Boston Coll*) 1916 I yr Chemistry
- Brigham, Lewis Alanson, *W. Somerville,* 69 Elm St, W. Somer
S.B. (*Boston Univ*) 1913, A.M. (*ibid*) 1917 Instructor in Mathematics, Boston
University II yr Engineering Sciences (one half-course)
- Brinck, Raoul Alphonse, *Anacortes, Wash* 18 Irving St.
A.B. (*Univ of Washington*) 1915, A.M. (*ibid*) 1916 Assistant in French, 1916-17,
Northwestern University, Ill I yr Romance Languages
- Brown, Howard Washington, *Oaklyn, N. J* 61 Gorham St.
A.B. (*Howard Univ, D. C.*) 1914, S.B. (*Harvard Univ*) 1917 II yr English
- Brown, Pembroke Holcomb, *Cambridge,* 1619 Mass Ave.
A.B. (*Univ. of Illinois*) 1915, A.M. (*ibid*) 1917 Assistant in Economics, 1916-17,
University of Illinois I yr Economics
- Bryant, John Ernest, *Royse City, Tex.* 38 Quincy St.
A.B. (*Southern Methodist Univ., Tex.*) 1917 I yr. Philosophy
- Bullock, Edward Taylor, *Albany, N. Y.* 14 Garden St.
A.B. (*Univ of Michigan*) 1910, A.M. (*ibid.*) 1912 Statistician, 1914-17, New York
State Department of Labor I yr Economics

- Burgum, George Kenneth, *Concord, N H* 1593 Mass Ave
A B (*Dartmouth Coll, N H*) 1917 I yr English
- Burkhard, Arthur, *Minneapolis, Minn* Fairfax 13
A B (*Univ of Minnesota*) 1911, A M (*ibid*) 1912, Ph D (*Harvard Univ*) 1917 As-
sistant in German, 1912-13, University of Minnesota V yr Instructor in German
Proctor German (one half-course)
- Burr, Isaac Tucker, Jr *Needham,* 53 State St, Boston
A B 1906 I yr Military Science (one course)
- Cabot, Powell Mason, *Brookline,* 1324 Mass Ave
A B 1918 (1917) I yr History
- Cameron, Donald, *Cambridge,* 16 Trowbridge St
A B (*Univ of Texas*) 1895, A M (*ibid*) 1896, A M (*Harvard Univ*) 1900, Ph D
(*ibid*) 1902 Professor of Latin, Boston University V yr IV yr as Resident
Student Military Science (one half-course)
- Cawley, Frank Stanton, *Cambridge,* Wadsworth 5
A B 1910, Ph D 1916 Instructor in German, Massachusetts Institute of Technology
V yr German (one half-course)
- Chao, Yuen Ren, *Shanghai, China,* C't 40
A B (*Cornell Univ, N Y*) 1914, Graduate Student, *ibid*, 1914-15 III yr Philip
H Sears Scholar Philosophy
- Chapin, Lewis Paul, *So Braintree,* 27 Central Ave, So Braintree
Chem Eng (*Univ of Minnesota*) 1897 I yr Education (one course)
- Cheng, Ying Chang, *Soo Chow, China,* D 42
S B (*Purdue Univ., Ind*) 1917 I yr Chemistry
- Chiu, Benjamin Eng-un, *Amoy, China,* 85 Trowbridge St
A B (*St John's Univ, China*) 1911 Teacher of English, 1914-17, Tsing Hua College,
Peking, China I yr Mathematics
- Chu, Co-Ching, *Shanghai, China,* 64 Oxford St
S B (*Univ of Illinois*) 1913, A M (*Harvard Univ*) 1915 V yr George H Emerson
Scholar Meteorology
- Chu, Chungtao Tahmy, *Changshu, China,* 526 Newbury St, Boston
A B 1917 I yr John Harvard Fellow Economics
- Chung, Hsin Hsuan, *Nanchang, China,* C't 18
S B 1917 I yr Botany
- Chung, Kocheng Chenyang, *Shanghai, China,* 526 Newbury St, Boston
A B (*Reed Coll, Ore*) 1917 I yr Government, Economics
- Clark, Donald Buttz, *Madison, N. J* C't 36
A B. (*Wesleyan Univ, Conn*) 1917 I yr Philosophy
- Clark, Thomas Henry, *So Weymouth,* 511 Main St, So. Weymouth
A B 1917 I yr Assistant in Geology Geology

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- Cleveland, Leshe Linwood, *Cambridge*, 16 Linnæan St.
A.B. (*Williams Coll.*) 1893 Headmaster, Cambridge High and Latin School. I yr
Education (one course)
- Clough, Benjamin Crocker, *Readville*, 18 Hamilton St., Readville
A.B. 1911 Instructor in English, 1915-17, Brown University I yr University
Scholar English, Comparative Literature
- Cobb, Philip Hacker, *Denmark, Me* M. 35
A.B. (*Bowdoin Coll., Me*) 1917 I yr Biology
- Coggeshall, Reginald, *Boston*, P.S. 22
A.B. 1916 Teacher, 1916-17, Sanford School, Redding Ridge, Conn. I yr Assistant
in Government Proctor English
- Colburn, Guy Blandin, *Roxbury*, 37 Dorr St., Rox
A.B. (*Brown Univ., R. I.*) 1904, A.M. (*ibid.*) 1905, Ph.D. (*Univ. of Wisconsin*) 1908.
Assistant Professor of Latin, University of Missouri, on leave of absence I yr.
Romance Languages
- Connolly, Joseph Peter, *Cleveland, O.* C't 11
A.B. (*Oberlin Coll., O.*) 1912, A.M. (*Univ. of Missouri*) 1915, A.M. (*Harvard Univ.*)
1916. III yr. George H. Emerson Scholar Geology.
- Cook, Leroy James, *Winthrop*, 15 Cottage Park R'd, Winthrop
A.B. (*Tufts Coll.*) 1909, A.M. (*ibid.*) 1910 Instructor in French, Tufts College
III yr Romance Languages
- Craig, William Moore, *Austin, Tex.* C't 27
A.B. (*Southwestern Univ., Tex.*) 1906, A.M. (*ibid.*) 1907, A.M. (*Univ. of Texas*) 1916
Tutor in Chemistry, 1916-17, University of Texas I yr Thayer Scholar Chem-
istry
- Craighead, Eugene Miller, *Harrisburg, Pa.* Y.M.C.A., Boston
S.B. (*Pennsylvania State Coll.*) 1916 I yr Medical Sciences
- Cram, Robert Vincent, *Cambridge*, 38 Quincy St.
A.B. 1907, A.M. 1908, Ph.D. 1917 Instructor in Greek, 1914-16, Lafayette College
V yr Modern Languages
- Crawford, Bartholow Vincent, *Mount Vernon, Ia.* C't 34
A.B. (*Cornell Coll., Ia.*) 1910, A.M. (*Harvard Univ.*) 1913 Instructor in Rhetoric,
1913-15, University of Minnesota IV yr Harris Fellow. English
- Crockett, Montgomery Adams, *Wareham*, 33 Trowbridge St.
A.B. 1882, M.D. (*Belleue Hospital Medical Coll., N.Y.*) 1885. I yr. Romance Lan-
guages (one half-course).
- Cunningham, William Hayes, *Dorchester*, 799 Blue Hill Ave., Dor.
A.B. 1908. Instructor in English, Boston High School of Commerce. I yr. Edu-
cation (one course).
- Currier, Francis Morton, *Winchester*, II. 20
A.B. 1917. I yr German
- Curtis, Lucien Simington, *St. Louis, Mo.* 1556 Cambridge St.
A.B. (*Howard Univ., D.C.*) 1916 Principal, 1916-17, Dewmane Grammar School,
Ill. I yr. History, Government, Economics

- Cutting, Reginald Alex, *W Somerville*, 11 Cherry St, W Somer
A B 1914, S T B (*Newton Theol Institution*) 1916, A M (*Harvard Univ*) 1917 II yr
Psychology
- Davis, Milton Cornwell, *Miller Place, L I, N Y* 16 Oxford St
A B 1917 I yr Classics
- Dawson, Alden Benjamin, *Ugg, P E I* 30 Varnum St, Arlington
A B (*Acadia Univ, N S*) 1915 III yr John Thornton Kirkland Fellow Zoology
- Draper, John William, *Hastings-on-Hudson, N Y* G 47
A B (*New York Univ*) 1914, A M (*ibid*) 1915 Instructor in English, 1915-17, New
York University I yr University Scholar English, Romance Languages
- Duncan, James Armstrong, *Columbia, S C* S 19
S B (*Univ of South Carolina*) 1917 I yr University Scholar Physics
- Dwight, Joseph, *Boston*, 235 Beacon St, Boston
A B 1914, A M 1917 III yr Classics
- Eddy, Emery Davis, *Bangor, Me* C't 42
A B (*Univ of Maine*) 1916 II yr Edward Austin Fellow Botany
- Edson, Newell Walter, *Brookline*, 71 Highland R'd, B'kline
A B 1903 Instructor in Modern Languages, Huntington School, Boston III yr
Education (one course)
- Ehrensperger, Edward Charles, *Indianapolis, Ind* W 8
A B 1916 Sheldon Prize Fellow, 1916-17 I yr University Scholar English
- Ellis, Oscar Frederick William, *Parry Harbour, Ont* C't 30
A B (*Univ of Toronto, Ont*) 1911, Graduate Student, *ibid*, 1912-13 Master in
French, 1913-17, Collegiate Institute, Ottawa, Ont I yr Romance Languages
- Engelbrecht, Herbert Frederick, *Pittsburgh, Pa* G 12
S.B (*Carnegie Institute of Technology, Pa*) 1912 IV yr Austin Teaching Fellow in
Chemistry Chemistry
- Fairfield, Erle, *Worcester*, 1593 Mass Ave.
A B (*Dartmouth Coll, N H*) 1914, A M (*Harvard Univ*) 1915 Instructor in German,
1915-17, University of Pittsburgh, Pa II yr University Scholar German
- Falconer, Bolivar Lang, *Monroe, Okla.* D 14
M.D (*Georgetown Univ., D C*) 1895, S M. (*George Washington Univ, D C*) 1896.
III yr Mathematics.
- Field, Robert Franklin, *Providence, R I* C't 21
A B (*Brown Univ, R I*) 1906, A M (*ibid*) 1907, A M (*Harvard Univ*) 1916. In-
structor in Physics, 1910-15, Brown University. III yr Instructor in Physics
Physics
- Fitzgerald, George Francis, *Cambridge*, 108 Holworthy St
A.B (*Boston Coll*) 1913, A M (*ibid*) 1914 II yr Education (one half-course)
- Flinner, Ira Arthur, *Jamaica Plain*, 91 Moraine St., Jam Pl.
Ph.B. (*Grove City Coll., Pa*) 1906, A M. (*ibid*) 1908, A B. (*Harvard Univ*) 1911. II yr
Education (one course)

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- Foo, Yer Ping, *Nanchang, China,* 51 Oxford St
 Kogakushi (*Imperial Univ, Tokyo, Japan*) 1915 I yr Mathematics
- Geist, Raymond Herman, *Oberlin, O* Dana 44
 A B (*Adelbert Coll of Western Reserve Univ, O*) 1910, A M (*Harvard Univ*) 1916.
 III yr English
- Gilbertson, Albert Nicolay, *Cambridge,* Lawrence 16
 A B (*Univ of Minnesota*) 1908, A M (*ibid*) 1909, Ph D (*Clark Univ*) 1913 In-
 structor in Anthropology, 1913-15, University of Minnesota II yr History (one
 half-course)
- Gilman, Henry, *Boston,* Fairfax 7
 S.B. 1915, Student, *Univ of Zurich, Switzerland*, 1915-16 II yr Assistant in Chem-
 istry. Proctor. Chemistry
- Goddard, Francis Wayland, *Shaohsing, China,* 145 Main St, Malden
 A B (*Colgate Univ, N Y*) 1897, M D (*Jefferson Medical Coll, Pa*) 1901 Physician
 in charge, Christian Hospital, Shaohsing, China, on leave of absence I yr Medical
 Sciences
- Goodwin, Paul John, *W Somerville,* 242 Elm St, W. Somer
 A B (*Univ of Southern California*) 1917 I yr Indic Philology, History of Religions,
 Greek
- Goodykoontz, Colin Brummitt, *New Carlisle, Ind.* Ct 12
 A B (*Univ of Colorado*) 1912, Litt M (*Univ of California*) 1914 Assistant in History,
 1913-15, University of California III yr Tutor in the Division of History, Govern-
 ment, and Economics Austin Teaching Fellow in History History
- Gordon, Coningsby Matheson, *Melbourne, Australia,* 114 Oxford St.
 A B (*Butler Coll, Ind*) 1916, S.T.B. (*Harvard Univ*) 1917 Instructor in Old Testa-
 ment History and Exegesis, College of the Bible, Melbourne, Australia, on leave of
 absence I yr Semitic
- Gott, Charles, *Cambridge,* 145 Larch Rd
 A B (*Trusts Coll*) 1911, A M (*Harvard Univ*) 1914 V yr Assistant in English
 English, German
- Grant, Alexander Galt, *Boston,* 31 Mass Ave, Boston
 A B. 1907, LL B. 1910 I yr Military Science (one course)
- Gresser, William, *New York, N Y.* W. 38
 A B. 1917 I yr George W Dillaway Fellow History, Government
- Grosa, Joseph, *Adams Basin, N Y* 1132 Mass. Ave
 A B (*Univ of Rochester, N. Y*) 1915, A.M. (*ibid*) 1917 Teacher of German, 1916-17,
 Rochester High School, N Y. I yr Government
- Habberstad, Claude Clayton, *Lanesboro, Minn.* 6 Ashton Pl.
 A B (*Belmont Coll, Wis*) 1910 II yr English (one course)
- Haglund, Charles Gustav, *Medina, No. Dakota,* 48 Mt. Auburn St
 A B (*Univ of South Dakota*) 1906, LL B (*ibid*) 1913, J. D. (*Yale Univ, Conn*) 1914
 I yr Government.

- Hall, Durand Appleton, *Deer Wood, Minn* 1572 Mass Ave
A B (*Williams Coll*) 1912, A M (*Univ of Wisconsin*) 1915 II yr Townsend Scholar
Geology
- Hamlin, Winthrop Abbott, *Newburgh, N Y* D 10
A B 1913 II yr Economics, Government
- Hankin, Gregory, *Bronx, N Y* G 43
S B (*Coll of the City of New York*) 1916, A M (*Harvard Univ*) 1917 II yr Proctor
University Scholar Philosophy
- Hansen, Marcus Lee, *Iowa City, Ia* 63 Oxford St
A B (*State Univ of Iowa*) 1916, A M (*ibid*) 1917 I yr Charles Elliott Perkins
Scholar History
- Harley, John Eugene, *Los Angeles, Cal* 19 Craigie St
A B (*Univ of Southern California*) 1917 Fellow in International Law of the Carnegie
Endowment for International Peace I yr Government
- Harvey, Shirley Wilcox, *Concord, N H* 6 Dean Hall, Tufts Coll
A B (*Dartmouth Coll*) 1916 Instructor in English, Tufts College II yr English,
Comparative Literature
- Hastings, George Everett, *Fredricks town, Pa* 40 Kirkland St.
A B (*Princeton Univ, N J*) 1904, A M (*ibid*) 1912, A M (*Harvard Univ*) 1917
Instructor in English, 1911-16, Shattuck School, Fairbault, Minn II yr English
- Hayashi, Namiki, *Kanazawa, Japan*, 19 Trowbridge St.
Bungakushi (*Imperial Univ, Tokyo, Japan*) 1900 Professor of English, Kanazawa
National College, Japan, on leave of absence I yr English
- Hench, Atcheson Laughlin, *Pittsburgh, Pa* C't 25
A B (*Lafayette Coll, Pa*) 1912, A M (*Harvard Univ*) 1917 Instructor in English and
Latin, 1914-16, Pennsylvania Military College II yr English, Comparative
Literature
- Hettinger, Albert John, Jr *Fowler, Cal* C't 48A
A B (*Leland Stanford Jr Univ, Cal*) 1916, A M (*ibid*) 1917 Assistant in Economics,
1915-17, Leland Stanford Jr University I yr Edward Austin Fellow Economics
- Hijikata, Shigeyoshi, *Tokyo, Japan*, 188 Rawson R'd, B'kline
Hogakushi (*Imperial Univ, Tokyo, Japan*) 1914 Assistant Professor, College of Law,
Imperial University, Tokyo, on leave of absence I yr Economics
- Hill, Edward Lapham, *Wakefield*, 30 Summer St, Wakefield
Ph B (*Brown Univ, R I*) 1912 Principal, Franklin School, Wakefield I yr Edu-
cation
- Hinds, Norman Ethan Allen, *Denver, Colo* 42 Kirkland St.
A.B (*Univ of Colorado*) 1914 Instructor in Geology, 1914-17, University of Colorado
I yr Austin Teaching Fellow in Geology and Geography Geology
- Hodges, John Cunyus, *Cotton Valley, La* 114 Oxford St
A M (*Tulane Univ, La*) 1912, Graduate Student, *Univ of Wisconsin*, 1912-13 In-
structor in English, 1913-16, Northwestern University, Ill II yr Christopher M
Weld Scholar English

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- Hoffman, Julius Schmittle, *New Orleans, La* 10 Oxford St.
A.B. (*Tulane Univ, La*) 1917 I yr. Mathematics
- Hood, Thurman Los, *Allston,* 53 Gardner St, Allston
A.B 1908, A.M 1909 VIII yr Assistant in English English (one course)
- Howard, Harvey James, *Malden,* 233 Charles St, Boston
A.B. (*Univ of Michigan*) 1904, M.D. (*Univ of Pennsylvania*) 1908, A.M. (*Harvard Univ*) 1917 Ophthalmologist, Canton Christian College, China, on leave of absence Research Fellow of the China Medical Board, Rockefeller Foundation II yr Pathology
- Hu, Kang-Fuh, *Kiangsu, China,* C't 46
A.B 1918, A.M 1915 V yr John Tyndall Scholar Physics
- Hubbard, Joseph Bradley, *Madison, Wis.* C't 19
A.B. (*Univ of Wisconsin*) 1912, A.M. (*ibid*) 1913 Instructor in Economics, 1913-15, Hamline University, Minn. III yr Henry Lee Memorial Fellow Economics
- Hulley, Benjamin Mayham, *De Land, Fla* C't 39
A.B. (*John B Stetson Univ, Fla*) 1917 I yr Government
- Hurlbutt, Gordon Broach, *Point Clear, Ala* 33 Farwell Hall, Newton Centre
A.B. (*Mercer Univ, Ga*) 1911, Th.M. (*Southwestern Baptist Theol Seminary, Tex*) 1915. I yr English
- Hyde, Duncan Clark, *Quebec, Que* G. 27
A.B. (*McGill Univ, Que*) 1917 I yr University Scholar Economics
- Jackson, Frank, *Boston,* 18 Appian Way
A.B 1871, Student, *Graduate Schools of Applied Science*, 1907-10. VIII yr Astronomy (one course).
- Jacobsen, Arthur Daniel, *Selma, Cal.* 1750 Cambridge St.
A.B. (*Univ of Redlands, Cal.*) 1917. I yr University Scholar Government.
- Jaqua, Ernest James, *Grimmell, Ia.* 21 Jason St, Arlington
Ph.B. (*Grimmell Coll, Ia.*) 1907, A.M. (*Columbia Univ, N.Y.*) 1910 Assistant to the President and Junior Dean of Men, Grimmell College, on leave of absence I yr. Austin Scholar Education
- Joudry, Robert Clyde, *Somerville,* Lawrence 36
A.B. (*Colby Coll, Me*) 1916 I yr Philosophy (one half-course).
- Kany, Charles Emil, *Dodgeville, N. Y* 156 Mt Auburn St.
A.B. (*Univ of Michigan*) 1917 I yr Romance Languages
- Kawara, Masakatsu, *Boston,* 86 St. James Ave., Boston
LL.B. (*Doshisha Univ, Japan*) 1916 I yr Government
- Keffer, Ralph, *Cottage Grove, Ind.* 16 Prescott St.
A.B. (*Miami Univ, O*) 1911, A.M. (*Univ of Wisconsin*) 1913. Instructor in Mathematics, 1914-16, University of Wisconsin II yr. Instructor in Mathematics. Mathematics
- Kelley, Robert Francis, *Jamaica Plain, 24 John A. Andrew St., Jam. Pl.*
A.B. 1915, A.M. 1917. Sheldon Prize Fellow, 1915-16. II yr. Thayer Scholar. History, Government.

- Kelly, Roy Willmarth, *Cambridge,* 37 Concord Ave
A B (*Coll of the Pacific, Cal*) 1911, A M (*Harvard Univ*) 1916 II yr Instructor in
Education Director of the Bureau of Vocational Guidance Education
- Ken, Andrew Affleck, *Ogden, Utah,* M 3
A B (*Univ of Utah*) 1907, A M (*Harvard Univ*) 1917 Teacher of German, 1912-16,
Ogden High School, Utah II yr Anthropology
- Kidd, Hulbert Haven, *Beckley, W Va* 1727 Cambridge St
A B (*Vanderbilt Univ, Tenn*) 1916, A M (*Harvard Univ*) 1917 II yr English
- Kirshman, John Emmett, *Jamestown, Mo* 36 Ash St
Ph B (*Central Wesleyan Coll, Mo*) 1904, Ph M (*Syracuse Univ, N Y*) 1908 As-
sistant Professor of History, 1909-14, North Dakota Agricultural College III yr
Economics (one half-course)
- Klinger, Allen Connable, *Indianola, Ia* 10 Dana St.
A B (*Ohio Wesleyan Univ*) 1908, A M (*Univ of Wisconsin*) 1912 Professor of History
and Political Science, Simpson College, Ia, on leave of absence I yr Austin
Scholar History
- Knowles, Mahlon Gilman, *Swampscott, 255 Burrill St, Swampscott*
S B (*Tufts Coll*) 1917 I yr Education, English
- Knowlton, Amos Heywood, *Littleton,* C't 45
A.B (*Dartmouth Coll, N H*) 1917 I yr German
- Knowlton, Edgar Colby, *Manchester, N H* C't 25
A B 1912, A M 1913 Instructor in English, 1913-16, Lafayette College, Pa III yr
Shattuck Scholar English, Comparative Literature
- Kukhi, Georges Salim, *Alexandria, Egypt,* D 30
A B (*Syrian Protestant Coll, Beirut, Turkey*) 1914, S T B (*Meadville Theol School,*
Pa) 1916, S T B (*Harvard Univ*) 1917 I yr Semitic
- Lawrence, Caleb Wakefield, *Melrose,* 19 Parker St, Melrose
A M (*Queen's Univ, Ont*) 1909 Professor of English Literature, International
College, Smyrna, Turkey, on leave of absence I yr English, Education
- Lear, Floyd Seyward, *Morton, N Y.* G. 45
A.B. (*Univ of Rochester, N Y.*) 1917 I yr University Scholar. History
- Le Bosquet, John Edwards, *Arlington,* 74 Orvis R'd, Arlington
A B 1896, S T B (*Andover Theol Seminary*) 1899, A M (*Harvard Univ*) 1906, Ph D.
(*ibid*) 1907 II yr English (one course)
- Lehman, Benjamin Harrison, *Pullman, Wash* 52 Glenville Ave, Allston
A B 1911 Associate Professor of English, Washington State College, on leave of
absence. I yr Willard Scholar English
- Li, Pao-liu, *Szulam, China,* 65 Hammond St.
Ph B (*Univ of Chicago, Ill*) 1916, A M (*Univ of Wisconsin*) 1917 I yr Economics
- Lindau, Alfred Milton, *Greensboro, N C.* C't 14
A B (*Univ of North Carolina*) 1917 I yr English

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- Lindau, Norman C *Baltimore, Md.* C't 13
A B (*Johns Hopkins Univ., Md.*) 1915 II yr English (one course)
- Lindh, Eric Isidore, *E. Boston, 140 Bayswater St., E. Boston*
A B 1893, A M 1896 III yr History of Religions, Philosophy.
- Lindsay, Julian Ira, *Watertown, 55 Commonwealth R'd, Watertown*
A B (*Clark Coll.*) 1908, A M (*Harvard Univ.*) 1910 V yr Assistant in English
Comparative Literature
- Little, Robert Irving, *Tuscaloosa, Ala* D. 29
A B (*Univ. of Alabama*) 1901, A M (*Harvard Univ.*) 1912 V yr Shattuck Scholar
Romance Languages
- Longueil, Alfred Edwin, *Roxbury, 35 Mt. Pleasant Ave., Rox.*
A B (*Boston Univ.*) 1917 I yr University Scholar English
- Lovering, Richard Sears, *Manchester, 60 State St., Boston*
A B 1908 I yr Military Science (one course)
- McCracken, Thomas Cooke, *Greeley, Colo* 1200 Mass. Ave
A B (*Monmouth Coll., Ill.*) 1904, A M (*Harvard Univ.*) 1911. Dean of Graduate
College and Professor of Education, State Teachers College, Colo., on leave of
absence V yr Austin Scholar Education
- McCutcheon, Roger Philip, *Franklin, Va* 1200 Mass. Ave.
A.B. (*Wake Forest Coll., N. C.*) 1910, A M (*Harvard Univ.*) 1912 Associate Professor
of English, Denison University, O., on leave of absence. III yr Austin Scholar.
English
- Macdonald, Alexander Donald, *Cambridge, 127 Mt. Auburn St.*
A B 1915, A M 1917 III yr Austin Teaching Fellow in Chemistry Chemistry.
- Macdonald, Forrester, *Boston, 85 Broad St., Boston*
A B (*Dartmouth Coll., N. H.*) 1890, A M (*Harvard Univ.*) 1912 IV yr Education
(one course)
- McElligott, James John Thomas, *Watertown, 37 Harnden Ave., Watertown*
S B 1901 Teacher, Rindge Technical School, Cambridge III yr Education (one
course)
- MacGivrey, John Aloysius, *Lawrence, 28 Orchard St., Lawrence*
A.B. 1903. Headmaster, Wetherbee Grammar School, Lawrence. I yr Education
(one course).
- McLaughlin, Henry Patrick, *Jamaica Plain, 12 Robeson St., Jam. Pl.*
A B. 1909 (1908) Teacher, English High School, Boston IV yr. Psychology (one
half-course), Education (one half-course).
- McNair, Malcolm Perrine, *Cambridge, 94 Prescott St.*
A B 1916. I yr Assistant in Government English (one course).
- Manning, Francis Bartlett, *Manchester, N. H. 19 Bellvista R'd, Allston*
S.B. 1916. I yr Zoology.
- Mark, George Archibald, *Dorchester, 96 Bowdoin Ave., Dor.*
S B (*Tufts Coll.*) 1915, S T B. (*ibid.*) 1915 II yr. Philosophy (one half-course)

- Marriner, James Theodore, *Portland, Me* Westmorly 37
A B (*Dartmouth Coll, N H*) 1914, A M (*Harvard Univ*) 1915 IV yr Assistant in English English
- Martin, James Royal, *Waverley,* 20 Chandler St, Waverley
Ph B (*Hamline Univ, Minn*) 1902 II yr Zoology
- Martin, William Alexander, *Buffalo, N. Y* 246 Newbury St, Boston
A B (*Ottawa Univ, Ont*) 1902, A M (*ibid*) 1908 Dean and Professor of English, D'Youville College, N Y, on leave of absence I yr English
- Maxfield, Ezra Kempton, *Rochester, N Y* Brentford 55
A B (*Colby Coll, Me*) 1905, A M (*Harvard Univ*) 1911 Assistant Professor of English, 1912-16, Colby College IV yr English
- May, Kuang-Ti, *Ning-Kuo-Fu, China,* 76 Oxford St.
S B (*Northwestern Univ, Ill*) 1915 III yr English
- Mazer, Harry, *Ashmont,* 63 Templeton St, Ashmont
Harvard College Senior, on leave of absence, with work completed for the A B degree I yr Classics
- Mehta, Nanak Batukram, *Baroda, India,* 12 Sumner R'd
A B (*Univ of Bombay, India*) 1912, A M (*ibid*) 1913, A M. (*Harvard Univ*) 1917 III yr Economics
- Meier, Fred Campbell, *Frammingham,* G. 29
S B. 1916, A M 1917 III yr Austin Teaching Fellow in Botany Botany
- Merk, Frederick, *Milwaukee, Wis* C't 39A
A B. (*Univ of Wisconsin*) 1911 Editorial Assistant and Special Investigator, 1911-16, Research Staff, Wisconsin Historical Society, Madison, Wis II yr Edward Austin Fellow History
- Messenger, Harry Knowles, *Cambridge,* 11 Story St
A B (*Williams Coll*) 1911, Student, *American School of Classical Studies, Athens, Greece*, 1911-12 III yr Classics (one course)
- Meyer, Jacob C *Sterling, O* 469 Broadway
A B (*Goshen Coll, Ind*) 1916, A M (*Indiana Univ*) 1917 Principal, 1909-14, Rittman High School, O I yr History
- Miller, Carl Wallace, *Somerville,* 87 Glenwood R'd, Somer.
A.B. 1915, Student, *Univ of Zurich, Switzerland*, 1915-16 II yr Assistant in Physics. Physics
- Miller, John Richardson, *Leominster,* C't 24
A B (*Williams Coll*) 1913, A M (*ibid*) 1914 Instructor in French, 1915-17, Washington University, Mo I yr University Scholar Romance Languages
- Miligan, Frederick Eugene, *Pittsburgh, Pa* 13 Sanborn Ave, Somer
A B (*Westminster Coll, Pa*) 1914 Principal, 1915-16, Oakmont High School, Pa II yr History, Government
- Mitchell, Edward Francis, *Clenton,* 19 Wendell St.
A.B. (*Coll of the Holy Cross*) 1907 Teacher of Mathematics and Sciences, 1907-17, Seton Hall, So. Orange, N J I yr Chemistry, Physics

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- Mohler, Samuel Loomis, *Carlisle, Pa.* C't 41
A B. (*Dickinson Coll., Pa.*) 1914 Teacher, 1914-16, Wilmington Conference Academy, Dover, Del II yr Classics
- Monroe, Arthur Eli, *Middleboro,* Russell 10
A B 1908, A M 1914 Teacher of Latin and German, 1909-13, Kent School, Conn V yr Instructor in Economics Tutor in the Division of History, Government, and Economics Proctor Economics (one course)
- Montsie, Warren Edward, *Waltham,* Worcester Lane, Waltham
S B (*Dartmouth Coll., N H.*) 1915 Instructor in German, Dartmouth College, on leave of absence I yr. Austin Scholar German
- Morelock, Horace Wilson, *Canyon, Tex.* 65 Hammond St.
A B (*Univ of Tennessee*) 1902 Professor of English, West Texas State Normal College, on leave of absence I yr Austin Scholar English
- Morris, Roscoe Copeland, *Columbus, O.* Claverly 28
A B (*Ohio State Univ*) 1916, A.M (*Harvard Univ*) 1917 II yr. Austin Teaching Fellow in Physiology Chemistry, Mathematics
- Morse, David Sherman, *Roxbury, N Y* 42 Kirkland St.
A B (*New York Univ*) 1917 I yr Shattuck Scholar Mathematics
- Morse, William Russell, *Dorchester Centre, 32 Aspinwall R'd, Dor* Centre
A B 1876, A M 1910, Ph D 1914 X yr Semitic (one course).
- Murray, Forrest Hamilton, *Mazon, Ill* C't 5
A B (*Univ of Illinois*) 1915, A M (*Harvard Univ*) 1917 II yr Shattuck Scholar Mathematics
- Mursell, James Lockhart, *Bucks, England,* D 2
A B (*Univ of Queensland*) 1915 III yr Thayer Fellow Philosophy
- Narusé, Seichi, *Tokyo, Japan,* 40 St. Paul St, B'kline
Gr., *Imperial Univ, Tokyo, Japan,* 1916 I yr Modern Languages
- Nelson, Earl Carlton, *Palermo, Me* 9 Everett St.
A.B (*Dartmouth Coll., N. H.*) 1910 Grammar Master, Francis School, Watertown. II yr. Education (one half-course)
- Noble, Gladwyn Kingsley, *Yonkers, N. Y.* Claverly 81
A B 1917 Research Assistant in Neotropical Herpetology, American Museum of Natural History, on leave of absence I yr Proctor Biology.
- Obreshkove, Vasil, *Shumla, Bulgaria,* 1010 Mass. Ave.
S B. (*Syracuse Univ, N. Y.*) 1915, S M (*ibid*) 1916. Research Assistant, 1916-17, Carnegie Station for Experimental Evolution, Cold Spring Harbor, L I, N. Y I yr Townsend Scholar. Zoology
- Odiorne, Benjamin Gilbert, *Rye, N. H.* C. 40
S.B. (*New Hampshire State Coll.*) 1915 IV yr. Economics.
- O'Hara, Neal Russell, *Middleboro,* Dana 34
A B 1915. III yr English (one course).

- Olmstead, Albert Wilham, *Los Angeles, Cal* D 21
 A B (*Greenville Coll, Ill*) 1909, LL B (*Univ of Southern California*) 1913, A M
 (*ibid*) 1914 II yr Social Ethics, Philosophy
- Opdycke, Leonard, *New York, N Y* Randolph 31
 A B 1917 I yr Fine Arts
- Packard, Sidney Raymond, *Campello,* C't 23
 A B (*Amherst Coll*) 1915, A M (*Harvard Univ*) 1916 III yr Austin Teaching
 Fellow in History History (two half-courses)
- Parsons, Carl Ellsworth, *Newton Lower Falls,*
 61 Washington St, Newton Lower Falls
 A B (*Williams Coll*) 1908 Principal, Highland Grammar School, Winthrop III yr
 Education (one course)
- Phillips, George Blanchard, *Glover, Vt* 1663 Cambridge St
 A B (*Dartmouth Coll, N H*) 1916, A M (*Harvard Univ*) 1917 II yr University
 Scholar Philosophy
- Phillips, John Sherman, *University Place, Neb* 1284 Mass Ave
 A B (*Nebraska Wesleyan Univ*) 1913 III yr Philosophy (one half-course)
- Place, Edwin Bray, *Boulder, Colo* 43 Irving St
 A B (*Univ of Colorado*) 1913, A M (*ibid*) 1916 Instructor in Romance Languages,
 University of Colorado, on leave of absence I yr Austin Scholar Romance
 Languages
- Plath, Otto Emil, *Berkeley, Cal* 888 Mass Ave
 A B (*Northwestern Coll, Wis*) 1910, A M (*Univ of Washington*) 1912 Instructor in
 Modern Languages, Massachusetts Institute of Technology III yr Zoölogy (one
 half-course)
- Poole, James Plummer, *E Lexington, 225 Mass Ave, E Lexington*
 S B (*Univ of Maine*) 1912 Assistant in Botany, 1913-15, Kansas State Agricultural
 College II yr Austin Teaching Fellow in Botany Botany
- Porter, Raymond La Rue, *Garber, Okla* 1750 Cambridge St.
 S B (*Univ of Pennsylvania*) 1916 II yr English
- Potter, Pitman Benjamin, *Long Branch, N J* 18 Mellen St.
 A B 1914, A M 1916 III yr Government, History
- Price, Ralph Henry, *Baldwin, Kan* 1010 Mass Ave.
 A B (*Baker Univ, Kan*) 1917 I yr Austin Teaching Fellow in Chemistry Chem-
 istry
- Prindle, Lester Marsh, *Charlotte, Vt* C't 47
 A B (*Univ. of Vermont*) 1915, A M (*Harvard Univ*) 1916 III yr William Watson
 Goodwin Fellow Classics
- Purdom, John Leslie, *Moreland, Ky* 27 Highland Ave
 A.B. (*Central Univ., Ky*) 1906, A.M. (*Harvard Univ*) 1911. IV yr. Austin Scholar.
 Education
- Purdom, Thomas Luther, *Moreland, Ky* D. 26
 A B (*Central Univ, Ky*) 1910 Dean and Professor of Latin and Mathematics,
 Crescent College, Ark, on leave of absence I yr Austin Scholar Education.

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- Quarles, John Rhodes, *Charlottesville, Va* G. 42
A.B. (*Univ of Virginia*) 1917 I yr University Scholar Philosophy
- Ram, Vangala Siva, *Madras, India,* C't 22A
A B (*Univ of California*) 1917 I yr University Scholar Government
- Raig, Frank Miller, *Minneapolis, Minn* G. 11
A B (*Northwestern Univ, Ill*) 1903, A M (*ibid*) 1905 Assistant Professor of Rhetoric and Public Speaking, University of Minnesota, on leave of absence I yr Austin Scholar English
- Reed, Albert Franklin, *Waverley,* 214 White St, Waverley
A B 1904, A M 1905, Graduate Student, 1907-11, *Columbia Univ, N Y.* Teacher of Latin and German, Public Latin School, Boston II yr Education (one half-course)
- Reiss, Karl, *New York, N Y* 133 Harrihof St., Rox
S B (*Colorado Agricultural Coll*) 1913 I yr Philosophy
- Rice, Harris, *Medford Hillside,* 211 Boston Ave, Medford Hillside
S B (*Worcester Polytechnic Institute*) 1912 Instructor in Mathematics, Tufts College II yr Mathematics (one course)
- Rice, Lepine Hall, *Tufts Coll* 14 Sawyer Ave., Tufts Coll
Ph.B. (*Syracuse Univ, N Y*) 1892 Instructor in Mathematics, Tufts College III yr Mathematics (one course).
- Richards, Robert Goodale, *W Somerville,* 2 Holyoke St.
A B 1916 II yr Government (one half-course)
- Robbins, Samuel Dowse, *Belmont,* 40 Centre Ave, Belmont
A B 1911 Principal, Boston Stammerers' Institute II yr Psychology (two half-courses)
- Roberts, Morris, *St Paul, Minn.* C't 27A
A B (*Univ of Minnesota*) 1910, A M (*ibid*) 1917 I yr English
- Roberts, Penfield Hitchcock, *E Lynn,* C't 4
A B 1916, A M. 1917 Instructor in English, Massachusetts Institute of Technology II yr English, Comparative Literature
- Rowbotham, Arnold Horrex, *Peking, China,* 881 Mass. Ave.
A B (*Colorado Coll*) 1913, Instructor in French, Tsing Hun College, Peking, China, on leave of absence I yr Austin Scholar Romance Languages.
- Rypins, Stanley Israel, *St Paul, Minn.* C't 26
A B (*Univ of Minnesota*) 1912, A M (*ibid*) 1913 II yr English
- Saito, Jimichi, *Nishikulamura, Japan,* Claverly 27
Gr, *Keio, Gaku Univ., Japan.* 1916. II yr Economics
- Sample, James Harold, *Sharpsville, Pa.* Claverly 2
A B (*Grove City Coll, Pa*) 1911, A B (*Yale Univ, Conn*) 1913 Teacher of Mathematics, 1913-16, Rockville High School, Conn. II yr. Proctor. History
- Sargent, Francis Williams, Jr *Charles River Village, 53 State St., Boston*
A B 1907 I yr Military Science (one course).

- Savage, John Joseph, *Somerville*, 27 Cambria St, Somer
A B (*Boston Coll*) 1909, A M (*Harvard Univ*) 1915 Teacher, 1911-12, Loyola High
School, Missoula, Mont VI yr IV yr as Resident Student Shattuck Scholar
Classics
- Schaeffer, Paul Bigelow, *Tulsa, Okla* C't 12A
A B (*Univ of Kansas*) 1913, A M (*Univ of Wisconsin*) 1915 Teacher of History,
1915-16, Butte High School, Mont II yr Thayer Fellow History
- Schlesinger, Monroe Jacob, *Boston*, 20 Queensbury St, Boston
S B (*Coll of the City of New York*) 1912 I yr Medical Sciences, Mathematics
- Schumb, Walter Cecil, *Dorchester*, 18 No Munroe Terrace, Dor.
A B 1914, A M 1916 IV yr III yr as Resident Student Austin Teaching Fellow
in Chemistry Chemistry
- Shaner, Ralph Faust, *Pottstown, Pa* 360 Longwood Ave, Boston
Ph B (*Lafayette Coll, Pa*) 1915 III yr Teaching Fellow in Comparative Anatomy
Medical Sciences
- Shaw, Edwin Adams, *W Somerville*, 63 College Ave, W Somer
S B (*Tufts Coll*) 1898, A M (*Harvard Univ*) 1916 Instructor in Education, Tufts
College III yr Education (two half-courses)
- Sheehan, Paul Sylvester, *Fairhaven*, 229 School St, Walpole
S B in Education (*Columbia Univ, N Y*) 1915 II yr Education (one course)
- Shimizu, Takeo, *Kanazawa, Japan*, 14 Oxford St
Rigakushi (*Imperial Univ, Tokyo, Japan*) 1914 Travelling Research Fellow, Shiom
Institute, Osaka, Japan I yr Physics
- Shbok, Clarence Albert, *Kenmore, O* G 6
A B (*Adelbert Coll of Western Reserve Univ, O*) 1916 II yr Mathematics
- Shudo, Yasuto, *Tokyo, Japan*, M 41
Hogakushi (*Imperial Univ, Tokyo, Japan*) 1913, Graduate Student, *ibid*, 1913-15
I yr Economics
- Silberling, Norman John, *Cambridge*, 51 Prentiss St.
A B 1914, A M 1915 IV yr Ricardo Prize Scholar Economics (one course).
- Silz, Walter, *Lakewood, O* H 20
A B 1917 I yr Shattuck Scholar German
- Simkins, Cleveland Sylvester, *Salem, Ore* C't 11
A B (*Univ of Oregon*) 1916 I yr Virginia Barret Gibbs Scholar Zoology.
- Smith, Herbert Edwards, *Newton*, 100 Pearl St, Boston
S B. (*Mass Institute of Technology*) 1896, S M (*ibid*) 1897 I yr Botany (one
half-course).
- Smith, James Fairbank, *Jacksonville, Ill* 1746 Cambridge St
A B (*Illinois Coll*) 1916 Instructor in Chemistry, 1916-17, Bradley Polytechnic
Institute, Peoria, Ill I yr Austin Teaching Fellow in Chemistry Chemistry
- Smith, James Hollingsworth Clemmer, *Gary, Ind* C't 19
A.B. (*Monmouth Coll, Ill*) 1917. I yr Chemistry.

- Smith, Lee Irvin, *Canton, O* G 24
A B (*Ohio State Univ*) 1913, A M (*ibid*) 1915, A M (*Harvard Univ*) 1917 III yr.
Instructor in Chemistry Proctor Chemistry
- Snavelly, Tipton Ray, *Pennington Gap, Va* 11 Dana St.
A B (*Emory and Henry Coll, Va*) 1912, A M (*Univ of Virginia*) 1915 Principal,
1912-13, Ry C Cove High School, Va I yr Townsend Scholar Economics
- Snider, Joseph Lyons, *Uniontown, Pa.* Fairfax 13
A B (*Amherst Coll*) 1915 II yr Assistant in Social Ethics Proctor Social
Ethics, Economics.
- Spachth, John William, Jr *W Philadelphia, Pa* 81 Garfield St.
A.B. (*Haverford Coll., Pa*) 1917. Clementine Cope Fellow of Haverford College I yr
Classics
- Spaulding, Francis Trow, *Cleveland, O.* D 18
A B 1917 (1916) Teacher of English, 1916-17, Dunwoody Industrial Institute,
Minneapolis, Minn I yr Education
- Stearns, Linhart, *New York, N Y* T 10
A B 1918 (1917) I yr Chemistry
- Steefel, Lawrence D, *Rochester, N. Y* W. 28
A B 1916, A M 1917 III yr Assistant in History History
- Strait, Archiver John, *Walcott, N Y* 65 Hammond St.
A B (*Northwestern Univ, Ill*) 1916, Graduate Student, *ibid*, 1916 17 I yr James
Savage Scholar History
- Sugareff, Vangel Konstantine, *Monastir, Serbia,* C't 15A
A B (*Syracuse Univ, N. Y*) 1917 I yr University Scholar History
- Sullivan, Charles Starke, *Anderson, S. C* C't 22
A B. (*Furman Univ, S C*) 1914 III yr Physics, Chemistry, Zoology
- Sun, Hsiieh-Wu, *Wei Hai Wei, China,* C't 10
A.B 1915 III yr Chemistry
- Taeusch, Carl Frederick, *Wapakoneta, O.* 39 Mendum St., Rashdale
Litt B. (*Princeton Univ, N. J.*) 1914 Teacher of History and Debating, Hollywood
High School, Los Angeles, Cal., on leave of absence I yr Philosophy.
- Takagaki, Torajiro, *Onomichi, Japan,* 8 Wendell St.
Shogakushi (*Tokyo Higher School of Commerce, Japan*) 1913 Assistant Professor of
Economics, Tokyo Higher School of Commerce, on leave of absence. II yr Psy-
chology (two half-courses)
- Takeuchi, Yoshinari, *Tokyo, Japan,* 473 Broadway
Rizagakushi (*Keiojuku Univ, Japan*) 1917 I yr. Economics.
- Tang, Yueh, *Foochow, China,* C't 10A
A B (*Cornell Univ., N Y*) 1917. I yr Philosophy, Psychology.
- Taylor, Will Sentman, *Geltsbury, Pa.* 30 Langdon St.
S B. (*Pennsylvania Coll.*) 1916 I yr. Philosophy

- Teare, John Lawrence, *Monmouth, Ill* C't 31
A B (*Monmouth Coll*, *Ill*) 1916, A M (*Univ of Illinois*) 1917 I yr Orlas Goodwin
Memorial Fellow Government
- Teare, Robert Cable, *Monmouth, Ill* C't 31
A B (*Monmouth Coll*, *Ill*) 1916 I yr Economics
- Thaler, Alwin, *Brooklyn, N Y* W. 30
A B (*Adelphi Coll*, *N Y*) 1912, A M (*Columbia Univ*, *N Y*) 1914 Instructor in
English, 1913-16, Northwestern University, Ill II yr Thayer Fellow English
- Thompson, George Carroll, *Abington,* 142 Central St, Abington
A B (*Boston Coll*) 1917 I yr Chemistry
- Torbet, Charles Edgar, *Moore's Hill, Ind* 90 Hammond St.
A B (*Ohio Wesleyan Univ*) 1897, A M (*ibid*) 1903 Professor of English and History,
Moore's Hill College, Ind, on leave of absence I yr Austin Scholar History,
Government, Economics
- Torossian, Aram, *Chelsea,* 228 Washington Ave, Chelsea
S B (*Mass Institute of Technology*) 1908 I yr English
- Trotter, Reginald George, *Toronto, Ont* C't 44
A B (*Yale Univ*, *Conn*) 1911, A M (*Harvard Univ*) 1915 IV yr III yr as Resident
Student Austin Teaching Fellow in History Government (one course)
- Tsoo, Chan-Chan, *Wenchow, China,* 53 Oxford St
A B (*Univ of California*) 1915, A M (*Harvard Univ*) 1917 III yr John Harvard
Fellow Mathematics
- Tulloss, Rees Edgar, *Springfield, O* 72 Fresh Pond Parkway
A B (*Wittenberg Coll*, *O*) 1906, S T B (*Hanna Dinnity School*, *O*) 1909, A M (*Har-*
vard Univ) 1917 Pastor, 1909-15, Messiah Lutheran Church, Constantine, Mich.
II yr Psychology
- Tyng, Dudley, *Ashland, N H* Milford, N. H
A B 1902, A M 1904, S T B (*Episcopal Theol School*, *Cambridge*) 1909 Instructor
in Philosophy and Church History, 1909-15, Boone University, Wuchang, China
Rector, Protestant Episcopal Church, Milford, N H IV yr Philosophy (one half-
course)
- Uchitelle, Benjamin, *Brooklyn, N Y* 65 Hammond St
A.B. (*Syracuse Univ*, *N Y*) 1916, A M (*ibid*) 1917 I yr University Scholar
Classics
- Underwood, Byron Edward, Jr *Berkeley, Cal* D 24
A B (*Univ of California*) 1908, A M (*ibid*) 1910 III yr Henry Bromfield Rogers
Memorial Fellow Philosophy
- Velander, Frans Edvard Hubert, *Mullsjö, Sweden,* 1200 Mass Ave.
Civilingenjör (*Kungl Tekniska Högskolan, Stockholm, Sweden*) 1916 I yr Scandi-
navian Scholar Mathematics, Engineering Sciences
- Versteegh, Arnoldus Dirk, *Cambridge,* G. 28
Landbouwkundige (*Higher School of Agriculture and Forestry, Wageningen, Holland*)
1903, Student, *Univ of Leyden, Holland*, 1903-06 I yr Physics, Chemistry,
Zoology

- Vose, Charles, Jr *E. Walpole,* E Walpole
A.B. 1904 III yr Chemistry
- Walsh, Joseph Leonard, *Catonsville, Md* S. 19
S B 1916, S M (*Univ of Wisconsin*) 1917 II yr I yr as Resident Student In-
structor in Mathematics. Mathematics
- Walton, Arthur Calvin, *Chicago, Ill* C't 7
A B (*Northwestern Univ, Ill*) 1914, A M (*ibid*) 1915. III yr Zoology (one half-
course)
- Walton, Loring Baker, *Kansas City, Mo* G 52
A B (*Princeton Univ, N J*) 1916 I yr Romance Languages
- Wang, Shung Tao, *Nanking, China,* G. 33
Gr, *Waseda Univ, Japan*, 1912 I yr Economics
- Weatherill, Philip Francis, *Arlington,* 62 Norfolk R'd, Arlington
A B (*Bowdoin Coll, Me*) 1916, A M (*Harvard Univ*) 1917 II yr University
Scholar Chemistry.
- Weil, Frank Taylor, *No Andover,* Lawrence 18
A B (*Dartmouth Coll, N H*) 1913, M C S (*ibid*) 1914 II yr English (one course).
- Weimer, Otto Urban, *Mexico, Mo* 469 Broadway
A B (*Univ of Colorado*) 1916 I yr. Chemistry, Zoology
- Wen, Yu Ching, *Hongkong, China,* 22 Fairwell Pl.
A B, 1917 I yr Physics
- Werlein, Shepard Halsey, Jr. *New Orleans, La* C't 33
A B. (*Vanderbilt Univ, Tenn*) 1897, A M. (*ibid*) 1898, S T B (*Univ of the South,*
Tenn.) 1902 I yr English, Comparative Literature
- Westcott, Ralph Wells, *Mansfield,* Mansfield
A.B. (*Amherst Coll*) 1913 Superintendent of Schools, Mansfield I yr. Education
(one course)
- [Farms
Wetherell, Charles Bradlee, Jr. *Wellesley Farms,* Pine Ridge R'd, Wellesley
A B 1908 Principal, Wellesley High School IV yr Education (one course)
- White, Arthur Franklin, *Cleveland, O.* W. 30
A.B. (*Adelbert Coll of Western Reserve Univ, O*) 1912 Instructor in English, 1913-15,
Northwestern University, Ill III yr Thayer Fellow English
- White, James Jeremiah, *Birmingham, Ala.* 1727 Cambridge St.
Ph B. (*Univ of Chicago, Ill*) 1906 Principal, 1906-16, University High School,
Birmingham, Ala II yr Classics
- [Wellesley Hills
White, Kenneth Crocker Rutherglen, *Wellesley Hills,* 56 Windsor R'd
A B (*Adelbert Coll. of Western Reserve Univ, O.*) 1912, A.M. (*Harvard Univ.*) 1915
VI yr English.
- White, Newman Ivey, *Greensboro, N. C.* M. 32
A B (*Trinity Coll, N. C*) 1913, A M (*ibid*) 1914, A M. (*Harvard Univ*) 1915. Pro-
fessor of English, Alabama Polytechnic Institute, on leave of absence II yr Austin
Scholar. English.

- Whitman, Willard Mallaheu, *Swampscott*, 9 Fuller Terr, Swampscott
A B 1909 Superintendent of Schools, Swampscott I yr Education
- Whitmore, Brewer Goddard, *Auburndale*, 175 Auburn St, Auburndale
A B 1910, A M 1915 Instructor in English, 1910-11, 1912-13, 1915-17, Syracuse
University, N Y III yr Instructor in English and Government Government,
History
- Willard, Frederick Roscoe, *Watertown*, 15 Westland R'd, Watertown
Lit B (*Boston Univ*) 1906, A M (*ibid*) 1908 Principal, Watertown High School
II yr Education (one course)
- Williamson, Thames Ross, *Cambridge*, 56 Sacramento St
A B (*State Univ of Iowa*) 1917 I yr University Scholar Government, Economics
- Wilson, Carl Henry, *Cambridge*, 51 Wendell St
S B (*Ohio Univ*) 1914 III yr Austin Teaching Fellow in Chemistry Chemistry
- Wilson, George Earle, *Perth, Ont* C't 41
A M (*Queen's Univ, Ont*) 1914 II yr Thayer Scholar History
- Winternitz, Robert, *Boston*, 61 Hemenway St, Boston
A B 1915, A M 1916 Instructor in English, 1916-17, University of Missouri II yr
English, German
- Wood, George Campbell, *No Easton*, Westmorly 3
A B 1916, A M 1917 II yr Romance Languages
- Wood, Ge-Zay, *Shanghai, China*, 44 Sacramento St
A B (*Yale Univ, Conn*) 1917 I yr Government
- Wood, John William, Jr *Cambridge*, 367 Harvard St.
S B. 1898 V yr Education
- Wood, Percival Matson, *Auburndale*, 58 Auburn St, Auburndale
A B (*Trinity Coll, Conn*) 1897, A M (*ibid*) 1900, S T B (*General Theol Seminary*,
N Y) 1903 Rector, Church of the Messiah, Auburndale I yr Social Ethics
(one course).
- Woolbert, Charles Henry, *Cambridge*, 9 Centre St.
A B (*Northwestern Univ, Ill*) 1900, A M (*Univ of Michigan*) 1909 Professor of
English and Public Speaking, 1903-13, Albion College, Mich II yr Thayer
Scholar Psychology
- Wu, Hsien, *Foochow, China*, Y. M. C A, Boston
S B (*Mass Institute of Technology*) 1916 Assistant in Organic Chemistry, 1916-17,
Massachusetts Institute of Technology I yr Chemistry, Physiology
- Yokoyama, Matsusaburo, *Mito, Japan*, 15 Sumner R'd
A B (*Colorado Coll*) 1917 I yr University Scholar Philosophy
- Youngburg, Guy Edgar, *Brookings, S D* 72 Westland Ave, Boston
S B. (*South Dakota State Coll*) 1906, Ph G (*ibid*) 1909, S M (*ibid*) 1910 II yr
Assistant in Biological Chemistry Medical Sciences

SUMMARY

TRAVELLING FELLOWS	10
RESIDENT STUDENTS	287
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	297
Deduct for repetition	1
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COLLEGES REPRESENTED

Acadia University	1	Meier University	1
Adelphi College	1	Miami University	2
Amherst College	3	Monmouth College	4
Andover Theological Seminary	1	Moores Hill College	1
Baker University	1	Nebraska Wesleyan University	1
Beloit College	1	New Hampshire State College	1
Boston College	4	Newton Theological Institution	1
Boston University	3	New York University	2
Bowdoin College	2	Northwestern College (Wis.)	1
Brown University	4	Northwestern University (Ill.)	6
Butler College	1	Oberlin College	1
Carnegie Institute of Technology	1	Ohio State University	2
Central University (Ky.)	2	Ohio University	1
Central Wesleyan College	1	Ohio Wesleyan University	2
Clark University	2	Ottawa University (Ont.)	1
Colby College	3	Pennsylvania College	1
Colgate University	1	Pennsylvania State College	2
College of the City of New York	3	Princeton University	3
College of the Holy Cross	1	Purdue University	1
College of the Pacific	1	Queen's University	2
Colorado Agricultural College	1	Rice College	1
Colorado College	2	St. Louis University	1
Columbia University	3	South Dakota State College	1
Cornell College (Ia.)	1	Southern Methodist University	1
Cornell University (N. Y.)	2	Southwestern University	1
Dartmouth College	10	State University of Iowa	2
Dickinson College	1	Syracuse University	6
Emory and Henry College	1	Trinity College (Conn.)	1
Episcopal Theological School (Camb.)	1	Trinity College (N. C.)	1
Franklin and Marshall College	1	Tufts College	6
Furman University	1	Tulane University	2
General Theological Seminary	1	University of Alabama	1
Georgetown University (D. C.)	1	University of California	4
George Washington University	1	University of Chicago	3
Goshen College	1	University of Colorado	3
Greenville College	1	University of Illinois	3
Grinnell College	1	University of Kansas	1
Grove City College	3	University of Maine	2
Hamline University	1	University of Michigan	3
Hanna Divinity School	1	University of Minnesota	5
Harvard University	128	University of Missouri	1
Haverford College	1	University of Montana	1
Howard University (D. C.)	2	University of North Carolina	1
Illinois College	1	University of Oregon	1
Indiana University	2	University of Pennsylvania	2
John B. Stetson University	1	University of Redlands	1
Johns Hopkins University	1	University of Rochester	2
Lafayette College	3	University of South Carolina	1
Leland Stanford Jr. University	1	University of South Dakota	1
McGill University	1	University of Southern California	3
Massachusetts Agricultural College	1	University of Tennessee	1
Massachusetts Institute of Technology	4	University of Texas	2
Meadville Theological School	1	University of the South	1

COLLEGES REPRESENTED

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University of Toronto	1	Worcester Polytechnic Institute	1
University of Utah	1	Yale University	4
University of Vermont	1	Foreign Universities	23
University of Virginia	2		<hr/>
University of Washington	2		384
University of Wisconsin	8	Names counted twice	79
Vanderbilt University	2	“ “ thrice (5)	10
Wake Forest College	1		<hr/>
Wesleyan University (Conn)	1		89
Western Reserve University	4		<hr/>
Westminster College (Mo)	1		295
Westminster College (Pa)	1	On leave of absence from Harvard Col- lege	1
Williams College	5		<hr/>
Wittenberg College	1		296

SPECIAL STUDENTS UNDER THE FACULTY OF ARTS AND SCIENCES

NAME	HOME RESIDENCE	PRESENT ADDRESS
Adams, Charles Henry, Mayor of Melrose Government.	Melrose,	66 Orient Ave., Melrose
Bagley, James Edward, II yr Gr, <i>New England Conservatory of Music</i> , Boston, 1888 and Comparative Literature	Cambridge,	2 Prescott St. Music Teacher. Music
Bang, Calhoun, Student, <i>Vestheim skole Christiania</i>	Christiana, Norway, Economics and English	Westmorly 35
Black, Millard Alan, V yr Teacher Education	Boston,	60 Martin St.
Carmo, Antonio, II yr. Priest Education	Fall River,	48 Sixteenth St, Fall River
Carpenter, Bruce, IV yr. Secretary. Comparative Literature	Cambridge,	96 Prescott St
Conover, Charles Cox, United States Naval Reserve Force.	Jersey City, N. J. Navigation.	T. 42
Earle, Fred Raymond, II yr. Music Teacher Music.	W Somerville,	318 Summer St., W Somer.
Ende, Elmer Friedrich, Gr, <i>American Conservatory of Music</i> , Chicago, 1915	New Bremen, O. Musician	78 Westland Ave, Boston Music.
Flanders, Galen Waldron, III yr Teacher. Education	Watertown,	17 Otis St, Watertown
French, Roy Leon, II yr. Ph.B. (<i>Syracuse Univ</i>) 1906, A M (<i>Yale Univ</i>) 1908	Attica, N. Y. Social Worker	20 Union Park, Boston English.
Fromme, John Redhead, Jr. II yr Writer English.	Cincinnati, O.	376 Harvard St.
Garfin, Samuel William, D M D (<i>Harvard Univ</i>) 1915.	Hartford, Conn Dental Surgeon.	406 Mass. Ave., Boston English.
Hansberry, William Leo, II yr. Student. Economics, History of Science, and Government.	Jackson, Miss.	421 Broadway
Haverty, Dennis Henry, II yr. Pre-Vocational Instructor.	Cambridge, Education.	15 Marie Ave.
Hull, Haven Goodwin, LL.B (<i>Boston Univ</i>) 1905, LL.M. (<i>ibid.</i>) 1906	Lowell, Attorney-at-Law.	38 Myrtle St, Lowell Psychology and Economics

- Hovey-King, Alvin, *Brookline,* Navy Yard, Charlestown
II yr Naval Officer English
- Kobayashi, David Enchi, *Tokyo, Japan,* W 53
II yr Student English
- Lawler, George Tolan, *Mattapan,* 28 Clarkwood St, Mattapan
History, Education, and Economics
- Manton, Robert William, *Dorchester,* 70 Evans St, Dorchester
IV yr Music Teacher Music
- Mardirosoian, Mardiros Krikor, *E Watertown,* 11 Nichols Ave, E Watertown
Student English
- Mathiesen, Haaken Christian, *Christiana, Norway,* Ware 2
Gr, *Christiana Handelsgymnasium,* 1914 Economics and English
- Mellen, James Edwin, *Cambridge,* 44 Langdon St
Student Military Science
- Miller, Charles Warren, *Boston,* 369 Hanover St, Boston
D M D (*Tufts Coll*) 1907 Dentist Economics and English
- Morse, Walter Perry, *Cambridge,* 38 Winthrop St
English and Philosophy
- Noguera, Eduardo, *Mexico City, Mex* 63 Oxford St
Bachelor of Commercial Sciences, *Maison de Melle,* Ghent, Belgium Anthropology
- Osborne, Hubert, *New York, N Y* T. 13
Actor English
- Patch, Charles Endicott, *Brookline,* 25 Kilsyth R'd, Brookline
II yr Architect Member, American Institute of Architects, 1911 English and
Comparative Literature
- Pillot, Joseph Eugene, *Canton,* 348 Pleasant St, Canton
II yr Author English
- Prario, Henry Trenton, *Lexington,* 33 Parker St, Lexington
II yr. Principal Education
- Rathje, George Gustave, *Tower City, No. Dak* 40 Kirkland St.
III yr. Chemistry
- Robinson, Lansing Roberts, *Allston,* 55 Ashford St, Allston
II yr. Railway Transportation. Music.
- Rose, Milton Sawyer, *Cambridge,* 187 Fayerweather St.
II yr Instructor English, Fine Arts, Economics, and Philosophy
- Sanders, Kurt Walter Leopold, *Hamburg, Germany,* 64 Kirkland St
III yr Philosophy
- Stiles, Hinson, *Providence, R I* 35 Hamlin St, Providence, R.I.
Newspaper Worker English
- Trimmer, Harry Moore, *Lynn,* 117 Bellevue R'd, Lynn
Supervisor, General Electric Co., Lynn Education.

Westengard, Jens Aubrey, Chemistry and Military Science	Cambridge,	30 Concord Ave
Wilson, James Albert, III yr Musician Music	Somerville,	52 Brastow Ave, Somer
Witherspoon, Samuel Calvin, II yr LL.B (Yale Univ) 1912	Oakmont, Pa Attorney-at-Law.	14 Summer R'd History

SUMMARY

TOTAL NUMBER OF SPECIAL STUDENTS	.	39
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GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

SECOND YEAR

NAME	HOME RESIDENCE	PRESENT ADDRESS
Aiton, Franklin Peveril, A B 1917,	<i>Stoneham,</i>	32 Gould St , Stoneham
Austin, Joel Dibble, A B 1916,	<i>Milton,</i>	Gnt 4
Beal, Gerald Fessenden, A B 1916,	<i>Hanover,</i>	M. 9
Carroll, Charles Schofield, A B (<i>Holy Cross Coll</i>) 1908, A M (<i>Clark Univ</i>) 1909,	<i>Worcester,</i>	16 Trowbridge St
Chandler, Hazen Atherton, A B (<i>Am- herst Coll</i>) 1916,	<i>Montpelier, Vt</i>	Drayton 16
Chapman, William Ray, A B (<i>West Virginia Wesleyan Coll</i>) 1915, A M. (<i>ibid</i>) 1916,	<i>Buckhannon, W Va</i>	326 Harvard St
Chow, Chi Pang, A B (<i>St John's Univ</i>) 1913, S B (<i>Univ of Pennsyl- vania</i>) 1916,	<i>Ningpo, China,</i>	W 51
Coburn, Augustus, Jr , A B (<i>Wabash Coll.</i>) 1916,	<i>Indianapolis, Ind</i>	36 Ash St
Cudd, Robert Leonard, A B (<i>Wofford Coll</i>) 1916,	<i>Sparganburg, S C</i>	36 Ash St.
Cunningham, Robert Larmour, A B (<i>Olvet Coll.</i>) 1916,	<i>Marshall, Mich</i>	54 Garden St
Dildine, Paul LeRoy, A B (<i>Miami Univ.</i>) 1914,	<i>New Waterford, O</i>	16 Trowbridge St
Fung, Henry Kien-Tung, A B (<i>St John's Univ.</i>) 1913, A.M (<i>Princeton Univ.</i>) 1915,	<i>Canton, China,</i>	881 Mass. Ave.
Gerish, Edward Frederick, A B (<i>Ohio State Univ.</i>) 1915, A M (<i>ibid.</i>) 1916,	<i>Columbus, O.</i>	2 Decatur St , Boston
Ham, Fred Lemuel, A B 1915,	<i>Cambridge,</i>	361 Harvard St.
Lackey, William Edward, A.B. (<i>Univ of Oregon</i>) 1915,	<i>Eugene, Ore.</i>	76 Hammond St.

Libby, Malcolm Mark, S B. in M E (<i>Worcester Polytechnic Inst</i>) 1900, S.B in E E (<i>ibid.</i>) 1903,	Edmonton, Alberta, Canada,	G. 49
McCorkle, Walter Jefferson, A B (<i>Park Coll</i>) 1915,	Dallas, Tex	8 Pine St., Boston
MacKinnon, Neil Laughlin, A B (<i>Boston Univ</i>) 1916,	Boston, 128 W Brookline St., Boston	
Pinkham, Millard Bartlett, S B (<i>Mass. Institute of Technology</i>) 1915,	Roxbury,	33 Wabon St., Roxbury
Ridgway, Wayne Anthony, A B. (<i>Univ of Kansas</i>) 1914,	Kansas City, Kan	467 Broadway
Ritchey, Herbert Dern, A B (<i>Princeton Univ</i>) 1916,	Altoona, Pa	D. 11
Sheets, Elmer Allen, Jr, LITT B (<i>Princeton Univ</i>) 1916,	Yonkers, N Y	1572 Mass. Ave
Sippel, Edward Anthony, S B. (<i>Northwestern Univ</i>) 1916,	Chicago, Ill.	Russell 22
Small, Nathan Houston, A B. (<i>Univ of Maine</i>) 1913,	Belfast, Me	923 Mass Ave.
Smith, Paul Howard, S B (<i>Grinnell Coll</i>) 1915,	Grinnell, Iowa,	42 Kirkland St.
Stacy, Edward Goodell, S B (<i>Colby Coll</i>) 1911,	Cambridge,	19 Huron Ave.
Van Voris, John Minard, A B (<i>Wesleyan Univ., Conn</i>) 1916,	Cobleskill, N. Y	M 51
Wei, Tingsheng Shenfu, A B. 1916,	Tang Hsien, Honan, China,	W. 51
Wolfe, Louis Ireton, A.B. (<i>Oberlin Coll.</i>) 1916,	Cambridge,	21 Ellsworth Ave.
Yang, Chien, M E. (<i>Cornell Univ</i>) 1916,	Hangchow, China,	362 Harvard St.

FIRST YEAR

Baker, Milford James, A.B (<i>Washburn Coll.</i>) 1917,	Topeka, Kan.	T. 56
Biddle, Clinton Poston, A B. (<i>Ohio Univ</i>) 1917,	Athens, O.	C't 28
Caldarone, Angelo Anthony, A B. (<i>Brown Univ</i>) 1917,	Providence, R. I.	106 Almy St., Providence, R. I.
Campbell, Jasper Adams, Jr, A B. (<i>Yale Univ.</i>) 1912,	Cambridge,	8 Shady Hill Sq.

Case, Hosmer Hodgson, S B (<i>Univ of Rochester</i>) 1917,	<i>Rochester, N Y</i>	334 Harvard St
Clarkson, Van Tuyt, A B 1917,	<i>Brooklyn, N Y</i>	94 Prescott St
David, Donald Kirk, A B (<i>Univ of Idaho</i>) 1916,	<i>Moscow, Idaho,</i>	315 Harvard St
Donohue, Timothy Joseph, A B (<i>Holy Cross Coll</i>) 1917,	<i>Worcester,</i>	27 Ware St
Evans, Irvine Lionel, A B (<i>Cornell Coll, Iowa</i>) 1917,	<i>Swea City, Iowa,</i>	G 30
Falvey, Arthur Ryan, A B (<i>Boston Coll</i>) 1916,	<i>Brighton,</i>	101 Parsons St, Brighton Dedham, T 36
Fox, Henry Vincent,*		
Freedman, David Aaron, S B (<i>Utah Agricultural Coll</i>) 1916,	<i>Salt Lake City, Utah,</i>	45 Oxford St
Jackson, Jacob Hugh, A B (<i>Simpson Coll</i>) 1912,	<i>Eugene, Ore</i>	44 Langdon St
Jewell, Frank Sheppard, A B (<i>Iowa State Teachers' Coll</i>) 1917,	<i>Cedar Falls, Iowa,</i>	1 Langdon Sq
Kennedy, Norman Fullerton, A B (<i>Williams Coll</i>) 1917,	<i>Cleveland, O</i>	C't 43
Kenyon, Julius Theodore, A B (<i>Coll of the City of New York</i>) 1907, LL B (<i>New York Univ</i>) 1912,	<i>Brooklyn, N Y</i>	469 Broadway
Lasley, William Kenneth, A B. (<i>Univ of Missouri</i>) 1916,	<i>Shelbina, Mo</i>	67 Hammond St
Loughlin, Eugene Stanislaus, A B (<i>Holy Cross Coll</i>) 1917,	<i>Greenwich, Conn</i>	G 30
McCann, William Webster, A B (<i>Bates Coll</i>) 1916,	<i>Mechanic Falls, Me</i>	10 Mellen St
McCanna, Raymond James, A B (<i>Univ of New Mexico</i>) 1917,	<i>Albuquerque, New Mex</i>	Clayberly 2
Marcy, Henry Sullivan, A B. (<i>Dartmouth Coll</i>) 1915,	<i>Waltham,</i>	623 South St, Waltham
Miller, Fred, S B (<i>Univ of Pennsylvania</i>) 1914,	<i>Bellwood, Pa</i>	C't 38
Muramoto, Fukumatsu, Gr, <i>Osaka Higher Commercial School, Japan,</i> 1910,	<i>Osaka, Japan,</i>	49 Oxford St.
Nee, Chien-hou, S.B. (<i>Univ of Pennsylvania</i>) 1917,	<i>Hongew, Shanghai, China,</i>	43 Irving St

* Has completed work in Harvard College for the Bachelor's degree

134 GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

Nieu, Samuel, A.B. (<i>Oberlin Coll</i>)		
1917,	<i>Foochow, China,</i>	G 51
Noble, Howard Scott, A.B. (<i>Simpson Coll.</i>) 1914,	<i>Indianola, Iowa,</i>	C't 38
Paul, Wesley Lee, A.B. (<i>Pomona Coll</i>)		
1917,	<i>Pasadena, Cal</i>	6 Story St
Priest, Joseph Kilbourne, A.B. 1914,	<i>Nashua, N. H</i>	
	44 E Pearl St, Nashua, N. H	
Reynolds, William Allen, A.B. (<i>Whitman Coll</i>) 1916, A.M. (<i>ibid</i>) 1917,	<i>Walla Walla, Wash</i>	C't 9
Richardson, Joel Henry, A.B. (<i>Univ of Oregon</i>) 1910, LL.B. (<i>Harvard Univ</i>) 1913,	<i>La Grande, Ore</i>	76 Hammond St
Sanders, Thomas Henry, B.COM (<i>Univ of Birmingham, Eng</i>) 1905,		
M.COM (<i>ibid</i>) 1914,	<i>Cambridge,</i>	421 Concord Ave
Schmid, Herbert William, A.B. (<i>Amherst Coll</i>) 1917,	<i>Providence, R. I</i>	48 Boylston St
Searle, Irvin Karsner, S.B. 1915, A.M.		
1916,	<i>Rockford, Ill.</i>	C'laverly 2
Shuman, Solomon, A.B. 1917,	<i>Newton, 361 Washington St., Newton</i>	
Sperry, Walter L., A.B. (<i>Oberlin Coll</i>)		
1917,	<i>Oberlin, O</i>	8 Story St.
Squire, Waitstill Hastings, A.B. (<i>Univ. of Michigan</i>) 1913, A.M. (<i>Harvard Univ</i>) 1917,	<i>Cambridge,</i>	51 Garden St.
Wilcox, Guy Merlin, S.B. (<i>Montana State Coll</i>) 1917,	<i>Dupuyer, Mont.</i>	C't 9

UNCLASSIFIED

Coe, Sidney William,*	<i>Middleport, O.</i>	396 Harvard St.
Grant, Douglas James,*	<i>Cambridge,</i>	5 Garden St
Niklason, Clarence Raymond,†	<i>Audubon, Iowa,</i>	2 Avon St.
Yin, Huanchü Rensien,*	<i>Changsha, Hu-nan, China,</i>	W 52

* Lacks not more than one full course for A.B. degree in Harvard College.

† Lacks credits for Bachelor's degree at Leland Stanford Jr. University.

SPECIAL STUDENTS

Cashion, James Leo,	<i>Glens Falls, N Y</i>	77 Pinckney St, Boston
Copeland, Walter Emerson,	<i>Brockton,</i>	793 No Main St, Brockton
Crapo, Arland Randall,	<i>Boston,</i>	722 Commonwealth Ave, Boston
Fleming, William Douglas,† A B		
(<i>Dartmouth Coll</i>) 1917,	<i>Somerville,</i>	63 Hudson St, Somer.
Ganger, Joseph Frederick,† s B (<i>Univ</i>		
<i>of Illinois</i>) 1916,	<i>Champaign, Ill</i>	6 Story St
Green, Clifford Francis,	<i>Newton Highlands,</i>	228 Lincoln St, Newton Hlds
Grover, Frank William,†	<i>Burton, Wash</i>	20 Quincy St.
Gunn, Kenneth Williams, Gr, <i>Royal</i>		
<i>Military Coll</i> , 1909,	<i>London, Ontario, Canada,</i>	469 Broadway
Hipp, Thomas Earle,† s B (<i>The Cita-</i>		
<i>del, Charleston, S C</i>) 1914,	<i>Newberry, S C</i>	20 Quincy St
Hirooka, Kyuemon, LL B (<i>Doshisha</i>		
<i>Coll</i>) 1915,	<i>Tosabori, Osaka, Japan,</i>	23 Naples R'd, B'kline
Johnson, Ernest Levin,†	<i>Savanna, Ill</i>	20 Quincy St.
Kockum, Carl Gottfried, Gr, <i>Malmö</i>		
<i>Högrens Allmänna Läröverk, Sweden,</i>		
1913,	<i>Malmö, Sweden,</i>	467 Broadway
McCulloch, Samuel Stewart, A B		
1917,	<i>New York, N Y</i>	19 Dunster St
Nichols, Arthur Boylston, A.B 1891,	<i>Cambridge,</i>	136 Brattle St
Pratt, Lucius Gale,	<i>West Newton,</i>	73 Highland St, West Newton
Roos, Charles Tage,†	<i>Waukegan, Ill.</i>	6 Story St
Sanders, Martin Franklin,	<i>Provo, Utah,</i>	1010 Mass Ave.
Stratton, Charles Edward, A B 1903,	<i>Groton,</i>	Groton
Thomas, Royal Vearl, LL B (<i>George-</i>		
<i>town Univ</i>) 1915,	<i>McSouth, Kan.</i>	3 Hubbard P'k
Thurlby, Harold Hazen,† A B. (<i>Univ</i>		
<i>of Michigan</i>) 1917,	<i>Hudson, Mich</i>	20 Quincy St.
Towles, John Ker, s B (<i>Tulane Univ</i>)		
1902, PH.D (<i>Yale Univ</i>) 1908,	<i>New Orleans, La</i>	40 Kirkland St.
Wallace, Harold,† PH B (<i>Brown Univ</i>)		
1911,	<i>Chicago, Ill.</i>	20 Quincy St

† U S. N., from Boston Navy Yard

SUMMARY

SECOND-YEAR STUDENTS	30
FIRST-YEAR STUDENTS	37
UNCLASSIFIED STUDENTS	4
SPECIAL STUDENTS	22
TOTAL	93

DISTRIBUTION BY COLLEGES, 1917-18

Amherst College	2	Pomona College	1
Bates College	1	Princeton University	3
University of Birmingham, England	1	St John's University	2
Boston College	2	Simpson College	2
Boston University	1	Tulane University	1
Brown University	2	University of Idaho	1
The Citadel, Charleston, S C	1	University of Kansas	1
Clark University	1	University of Illinois	1
Colby College	1	University of Maine	1
College of the City of New York	1	University of Michigan	2
Cornell College, Iowa	1	University of Missouri	1
Cornell University	1	University of New Mexico	1
Dartmouth College	2	University of Oregon	2
Doshisha College, Japan	1	University of Pennsylvania	3
Georgetown University	1	University of Rochester	1
Grennell College	1	Utah Agricultural College	1
Harvard University	18	Wabash College	1
Holy Cross College	3	Washburn College	1
Iowa State Teachers' College	1	Wesleyan University, Conn.	1
Leland Stanford Jr. University	1	West Virginia Wesleyan University	1
Massachusetts Institute of Technology	1	Whitman College	1
Miami University	1	Williams College	1
Montana State College	1	Wofford College	1
New York University	1	Worcester Polytechnic Institute	1
Northwestern University	1	Yale University	2
Oberlin College	3	Total	90
Ohio State University	1	Total number College Graduates	84
Ohio University	1	Total number of Colleges represented	56
Olivet College	1	Counted more than once	7
Osaka Higher Commercial School, Japan	1		
Park College	1		

SCHOOL OF ARCHITECTURE

TRAVELLING FELLOWS

NAME	HOME RESIDENCE	PRESENT ADDRESS
*Hendrick, Lloyd Melville, Jr A B 1912, M Arch 1915 Fellow for 1915-16	<i>Cliftondale,</i> Julia Amory Appleton Travelling	11 Cogswell Ave
*Knowlton, Philetus Clarke, Jr S B in Arch (<i>Univ of Illinois</i>) 1914, M Arch (<i>Harvard Univ</i>) 1917 Julia Amory Appleton Travelling Fellow for 1917-18	<i>Memphis, Tenn</i>	
†Mowery, Laurence Eldred, A B (<i>Carleton Coll, Minn</i>) 1907, M Arch (<i>Harvard Univ</i>) 1914 Nelson Robinson Jr Travelling Fellow for 1914-15	<i>Northfield, Minn</i>	American Academy, [Rome, Italy]
*Wilson, Jean Vernon, A B (<i>Carnegie Institute of Technology</i>) 1913, M Arch (<i>Harvard Univ</i>) 1916 Nelson Robinson Jr Travelling Fellow for 1916-17	<i>Pittsburgh, Pa</i>	3624 California Ave, [Pittsburgh, Pa]

REGULAR STUDENTS

Anthony, Edgar Waterman, A B 1912 III yr	<i>Brookline,</i>	123 Sewall Ave, B'kline
Conant, Kenneth John, A B 1915 I yr	<i>Two Rivers, Wis</i>	D 35
Dirks, Bernhard Ernst, S B. in Arch. (<i>Univ of Illinois</i>) 1915 II yr	<i>Cambridge,</i>	64 Oxford St
Evans, Almus Pratt, A B 1915 III yr	<i>Cambridge,</i>	1 Waterhouse St.
Kingsbury, Frederick Stillman, A B 1914. II yr	<i>Needham,</i>	Needham
Rogers, Meyric Reynold, A B. 1916 (1915) III yr.	<i>Cambridge,</i>	D. 37
Roudebush, Ralph Carver, A B. (<i>Miami Univ.</i>) 1914 II yr.	<i>Memphis, Tenn.</i>	D. 37

* Fellowship postponed

† Mr Mowery took advantage of the fellowship during the year 1916-17 and has been reappointed for the year 1917-18

Teigen, Carl Peter,	<i>Minneapolis, Minn.</i>	D. 35
A.B. (<i>Univ. of Minnesota</i>) 1915.	III <i>yr</i>	
Vaughan, Walter Stafford,	<i>Watertown,</i> 143 Church St, Watertown	
A B 1916	III <i>yr</i>	

SPECIAL STUDENTS

Bersback, Louis Boynton,	<i>Minneapolis, Minn.</i>	D. 17
II <i>yr.</i>		
Larson, Carl William,	<i>Roskilde,</i> 77 Seymour St, Roskilde	
II <i>yr</i>		
McLachlan, Duncan, Jr	<i>Brooklyn, N Y</i>	D. 17
II <i>yr</i>		
Pratt, Walter Henry,	<i>Natick,</i>	C't 15
I <i>yr</i>		
Walsh, Travers Gower,	<i>Boston,</i> 73 Pinckney St, Boston	
I <i>yr</i>		

SUMMARY

TRAVELLING FELLOWS	. . . . .	4
REGULAR STUDENTS	. . . . .	9
SPECIAL STUDENTS	. . . . .	5
Total	. . . . .	18

COLLEGES REPRESENTED

Coleton College, Minn	. . . . .	1
Carnegie Institute of Technology	. . . . .	1
Harvard University	. . . . .	10
Miami University	. . . . .	1
University of Minnesota	. . . . .	1
University of Illinois	. . . . .	2
		16
Counted more than once	. . . . .	3
		19

SCHOOL OF LANDSCAPE ARCHITECTURE

TRAVELLING FELLOWS

NAME	HOME RESIDENCE	PRESENT ADDRESS
Elberts, Elbert,	<i>Cleveland, O</i>	Cantonment Office, [Washington, D C.
A B (<i>Adelbert Coll., Western Reserve Univ</i>) 1912, M L A (<i>Harvard Univ</i>) 1915 Charles Ehot Travelling Fellow for 1917-18		
Wilcox, Raymond Hill,	<i>Detroit, Mich</i>	Phillips & Wilcox, [Kresge Building, [Detroit, Mich
S B (<i>Pennsylvania State Coll</i>) 1912, M L A (<i>Harvard Univ</i>) 1914 Charles Ehot Travelling Fellow for 1916-17		

RESIDENT STUDENTS

ingsbury, Frederick Stillman,	<i>Needham,</i>	Needham
S B 1914 IV yr		
ears, William Richard,	<i>Woburn,</i>	M 59
S B (<i>Massachusetts Agricultural Coll</i>) 1915 III yr		
Wallace, Harry Jay,	<i>Pencoyd, Pa</i>	1648 Mass Ave
S B (<i>Pennsylvania State Coll</i>) 1916 I yr		
ehrun, Samuel Danford,	<i>Roseville, O</i>	M. 7
S B (<i>Massachusetts Agricultural Coll</i>) 1915 III yr		

SPECIAL STUDENT

lood, Valentine Ardsley,	<i>Dobbs Ferry on Hudson, N Y</i>	118 Oxford St.
I yr		

SUMMARY

TRAVELING FELLOWS	2
RESIDENT STUDENTS	4
SPECIAL STUDENT	1
TOTAL	7

COLLEGES REPRESENTED

Columbia University	1
Harvard College	3
Massachusetts Agricultural College	2
Pennsylvania State College	1
University of California	1
Western Reserve University	1
Counted more than once	9
	2
	7

BUSSEY INSTITUTION — GRADUATE SCHOOL OF APPLIED BIOLOGY

NAME	HOME RESIDENCE	PRESENT ADDRESS
Baumberger, James Percy,	<i>San Francisco, Cal.</i>	80 Porter R'd, Cambridge
S B (<i>Univ of California</i>) 1914, S M (<i>Harvard Univ</i>) 1916		IV yr
Chun, Woon Young,	<i>Shanghai, China,</i>	166 St Botolph St., Boston
S.B (<i>Syracuse Univ</i>) 1915		III yr.
Dobson, Robert James,	<i>Peking, China,</i>	19 Archdale R'd, Roslindale
A B (<i>Albion Coll</i>) 1907, A M (<i>Univ of Mich</i>) 1910		II yr
Kinsey, Alfred Charles,	<i>So Orange, N J</i>	391 Hyde Park Ave, Roslindale
S B (<i>Bowdoin Coll</i>) 1916.		I yr
Sax, Karl,	<i>Colville, Wash.</i>	84 Crest R'd, Wellesley
S B (<i>Washington State Coll.</i>) 1916, S M (<i>Harvard Univ</i>) 1917		II yr.
Terry, Elwood Idell,	<i>Colorado Springs, Colo.</i>	Petersham
S.B 1907	Professor of Forestry, and Director of the Department of Forestry, at Colorado College	Visiting Lecturer on Forestry at Harvard University, 1917-18
		I yr

SUMMARY

STUDENTS

6

COLLEGES REPRESENTED

Albion College	.	.	.	.	1
Bowdoin College	.	.	.	.	1
Harvard University	.	.	.	.	3
Syracuse University	.	.	.	.	1
University of California	.	.	.	.	1
University of Michigan	.	.	.	.	1
Washington State College	.	.	.	.	1
					0
Counted more than once	.	.	.	.	3
					6

MINING SCHOOL

NAME	HOME RESIDENCE	PRESENT ADDRESS
Jeffries, Zay,	<i>Cleveland, O.</i>	448 Broadway
S.B. (<i>South Dakota School of Mines</i>) 1910, M.E. (<i>ibid.</i>) 1914.		

ENGINEERING AND MINING

STUDENT PURSUING A COURSE OF STUDY LEADING TO THE DEGREE OF DOCTOR OF ENGINEERING

MINING ENGINEERING

NAME	HOME RESIDENCE	PRESENT ADDRESS
Hurum, Fredrik Jorgen Ording, Met Eng (<i>Univ of Pittsburgh</i>) 1916 V yr	<i>Christiana, Norway</i>	198 Commonwealth [Ave, Boston]

STUDENTS PURSUING COURSES OF STUDY LEADING TO THE DEGREE OF MASTER OF SCIENCE

CIVIL ENGINEERING

Collins, Hubert Walter, SB (<i>Univ of North Carolina</i>) 1914, A M (<i>ibid</i>) 1916, SB (<i>Mass Institute of Technology</i>) 1917 V yr	<i>Holly Springs, N C</i>	T 41
Goldstine, Edgar Nathan, SB (<i>Rose Polytechnic Institute</i>) 1917 V yr	<i>Terre Haute, Ind</i>	316 Huntington Ave., [Boston]
Hsueh, Cho-pin, SB (<i>Tong-Shan Eng. Coll</i>) 1917 V yr	<i>Ankwei, China,</i>	957 Mass Ave
Tan, Chen, SB (<i>Tong-Shan Eng Coll</i>) 1917 V yr	<i>Tientsin, China,</i>	957 Mass Ave

MECHANICAL ENGINEERING

Ling, Homer Ch'uen-ch'eng, A B (<i>St John's Univ, Shanghai</i>) 1912, SB (<i>Mass Inst of Technology</i>) 1917 V yr	<i>Amoy, China,</i>	85 Trowbridge St
Smith, Harold Luther, SB (<i>Univ of Rochester</i>) 1917 V yr	<i>Rochester, N. Y.</i>	34 Cottage St.

ELECTRICAL ENGINEERING

Abbot, George, 2d, A B (<i>Univ of Wyoming</i>) 1914, SB (<i>ibid</i>) 1915, SB (<i>Mass Institute of Technology</i>) 1917 V yr	<i>Laramie, Wyo</i>	281 Newbury St., Boston
Fonseca, Rodolfo Lucio, A B (<i>Montevideo Univ</i>) 1912 V yr	<i>Montevideo, Uruguay,</i>	41 Peterboro St., [Boston]
Leung, Nai Hang, SB (<i>Hongkong Univ</i>) 1916 V yr	<i>Hongkong, China,</i>	65 Hammond St.

Monroe, Wendell Potter, S B (<i>Washington Univ</i> , <i>St Louis</i>) 1917	<i>Muskogee, Okla</i> V yr	65 Ellery St.
Nabeshima, Uhachi, Gr. (<i>Tokio Imperial Univ</i>) 1915	<i>Tokio, Japan,</i> V yr	175 Fuller St., B'kline
Wei, Wing Lock, S B (<i>Hongkong Univ</i>) 1916	<i>Hongkong, China,</i> V yr	16 Oxford St.

MINING ENGINEERING AND METALLURGY

Hsueh, Kwei Lun, E M (<i>Colorado School of Mines</i>) 1917	<i>Wusih, China,</i> V yr	18 Inman St.
Tatsuno, Masayuki, Gr (<i>Tokio Imperial Univ</i>) 1909	<i>Tokio, Japan,</i> V yr	119 Hemenway St , Boston

OTHER STUDENTS

CIVIL ENGINEERING

CLASSIFIED STUDENTS

Anderson, George William, II yr	<i>Dorchester,</i>	21 Raven St , Dor.
Ayala, S. Helodoro, A B (<i>Central Univ of Quito, Ecuador</i>) 1915	<i>Ibarra, Ecuador,</i> II yr	46 Mass Ave.
Beers, Gilbert Francis, III yr	<i>Taunton,</i>	517 Beacon St , Boston
Berko, Paul Matthew, II yr	<i>Lynn,</i>	200 Lewis St., Lynn
Boghossian, Aram, IV yr	<i>New York, N Y</i>	204 Erie St
Broockmann, Herman, Jr. II yr	<i>Richmond Hill, L I , N. Y.</i>	334 Harvard St.
Caird, Alexander Winton, IV yr	<i>Northampton,</i>	316 Huntington Ave , Boston
Chase, John Howe, S B (<i>Univ of Rochester</i>) 1916	<i>Riverside, Cal</i> IV yr	31 Mass. Ave.
Corr, George Theodore, II yr	<i>Cambridge,</i>	15 Brown St
Craighead, Philip Brooks, IV yr	<i>Malden,</i>	34 Mass. Ave.
De Meulenaer, John, II yr	<i>Boston,</i>	425 Mass. Ave , Boston
Dias, Moacyr Rodrigues, III yr	<i>Sao Paulo, Brazil,</i>	128 Hemenway St., Boston
Donnelly, Thomas Joseph, Jr IV yr	<i>Arlington,</i>	63 Brattle St., Arlington

- Doyle, Jesse Irwin, *Philadelphia, Pa* 484 Beacon St , Boston
II yr
- Duffill, Hugh Perrins, *Somerville,* 34 Willoughby St , Somer
II yr
- Eveleth, Frederic Cooley, *Windsor Locks, Conn* 308 Newbury St , Boston
IV yr
- Fairbanks, Herbert Kenneth, *Hyde Park, Vt* 428 Newbury St , Boston
II yr
- Farrington, Arthur Everett, *Roxbury,* 19 Waumbeck St , Rox
III yr
- Fleming, Willard Ames, *Somerville,* 73 Florence St , Somer
II yr
- Freeman, Edward Alden, *Newton Centre,* H 28
A B (*Harvard Univ*) 1917 III yr
- Freeman, William Morten Breakey, *Newton Centre,* 833 Commonwealth
II yr [Ave , Newton Centre
- French, Grant Keith, *Lowell,* 35 Victoria St , Lowell
II yr
- Frey, Austin Rogers, *Newark, N J* H 31
II yr
- Friery, John Wetherell, *Jamaica Plain,* 169 Chestnut Ave, Jam Pl
IV yr
- Fuller, Samuel, *Bridgewater,* Technology Dormitory
IV yr
- Gelt, Gabriel George, *Havana, Cuba,* 68 E Newton St , Boston
S B (*Belen Coll , Univ of Havana*) 1915 II yr
- Genaske, Albert, *Chestnut Hill,* 266 Commonwealth Ave , Chestnut Hill
II yr
- German, Eduardo, Jr *Valparaiso, Chile,* Technology Dormitory
Gr (*Naval Academy of Chile*) 1915 II yr
- Giuranovich, Arthur Joseph, Jr *Boston,* 471 Columbus Ave , Boston
IV yr
- Green, Heland Joseph, *Lowell,* 359 Walker St , Lowell
II yr
- Greene, Albert Beale, *Washington, D C ,* Technology Dormitory
II yr
- Grover, Newell Arthur, *Rutland, Vt* 283 Newbury St , Boston
II yr
- Haertlein, Albert, *St Louis, Mo* 34 Mass Ave.
A B (*Harvard Univ*) 1916 IV yr
- Halkiopoulos, George, *Athens, Greece,* 163 Warren Ave , Boston
C E (*Technology of Athens*) 1914 III yr
- Hallinan, Clement Joseph, *New Britain, Conn.* 12 Hemenway St , Boston
II yr

Hanley, John Merrill, IV yr	Dorchester,	30 Woodford St., Dor
Harrall, Edwin Russell, IV yr	Providence, R I	334 Harvard St.
Hennessy, Daniel Joseph, II yr	Brookline,	16 Henry St , B'kline
Hewes, Frederick Roy, III yr	Hyde Park, 1841	Hyde Park Ave , Hyde Park
Hopkins, Frank Herbert, IV yr.	Rockland,	Technology Dormitory
Horton, Freeman Hudson, III yr	Bradentown, Fla	12 Newbern St , Jam Pl
Howes, Homer Vernon, II yr	Lynn,	536 Mass Ave., Boston
Hsu, Chuan Yuan, IV yr	Peking, China,	820 Mass Ave
Huang, Chi Yen, III yr	Canton, China,	Technology Dormitory
Johnson, Rogers Bruce, S B (Harvard Univ) 1917	Newark, N J	II 31
Jones, William Alfred, IV yr	Cambridge,	42 Bigelow St.
Katz, Harry Leon, IV yr	Malden,	48 Mt Auburn St.
Keith, Scott, III yr	Newton Highlands,	20 Hartford St , Newton Highlands
Kennedy, Charles Thomas, III yr (also Sanitary Engin)	Boston,	29 Wellington St., Boston
Kilgore, Harold Dustin, IV yr	Gloucester,	20 Exchange St., Gloucester
Knox, Cornelius Van Santvoord, A B. (Princeton Univ) 1913	New Brunswick, N. J.	161 Bay State Rd, [Boston]
Lacey, Henry Richard, IV yr	Somerville,	20 Sargent Ave., Somer
Lichter, Jacob, III yr	Akron, O.	22 Inman St.
Lipp, Morris Nathan, II yr	Chelsea,	146 Bloomingsdale St., Chelsea
Longley, James Edward, IV yr	Kalamazoo, Mich.	Technology Dormitory
Longley, John Robert, IV yr	Kalamazoo, Mich.	Technology Dormitory

Lucas, John, II yr	<i>E Lynn,</i>	86 Eastern Ave , E. Lynn
McClintic, Howard Hale, Jr III yr	<i>Pittsburgh, Pa</i>	44 The Fenway, Boston
McGowen, Andrew Joseph, II yr	<i>Lawrence,</i>	39 Bennington St , Lawrence
McGregory, Sherman Albert, IV yr	<i>Brockton,</i>	31 Silver R'd, Brockton
MacLeod, William Donald, II yr	<i>Wakefield,</i>	22 Eaton St., Wakefield
MacManus, Francis Joseph, II yr	<i>Taunton,</i>	57 Ashland St , Taunton
Madancy, Sarkis Mardiros, IV yr	<i>Huseynag, Armenia,</i>	274 Spruce St , Chelsea
Malley, George Francis, IV yr	<i>Adams,</i>	Technology Dormitory
Massey, Henry Peirce, II yr	<i>Brooklane,</i>	234 Harvard St , B'kline
Matthews, Medwin, II yr	<i>Andover,</i>	Shawsheen R'd, Andover
Mayer, Albert, A B (<i>Columbia Univ</i>) 1916	<i>New York, N Y</i> III yr	427 Marlboro St , Boston
Miao, En Chao, IV yr	<i>Kiangsu, China,</i>	526 Newbury St , Boston
Mirabelli, Eugene, III yr	<i>Dorchester,</i>	20 Pleasant St , Dor
Newell, Joseph Shipley, III yr	<i>Springfield,</i>	Technology Dormitory
Newhall, Kenneth Cyrus, II yr	<i>Lynn,</i>	124 Ocean St , Lynn
Nichols, Hall, A B (<i>Harvard Univ</i>) 1916	<i>Boston,</i> IV yr	294 Marlboro St , Boston
Nightingale, Winthrop Ehot, A B (<i>Harvard Univ</i>) 1915	<i>Boston,</i> IV yr	13 James St., Boston
Nolen, John, Jr. II yr	<i>Cambridge,</i>	10 Garden Terrace
Padilla, José Augusto, S B (<i>Instituto Nacional de Honduras</i>)	<i>Tegucigalpa, Honduras,</i> II yr	884 Mass Ave.
Pasos-Díaz, José, IV yr	<i>Boston,</i>	873 Huntington Ave , Boston
Pena-Polo, Jorge, A.B (<i>Colegio del Rosario</i>) 1911	<i>Bogotá, Colombia,</i> IV yr	28 Westland Ave , Boston

Pickop, Edwin Morgan, III yr	<i>Newton Centre, 24 Pleasant St., Newton Centre</i>	
Pierce, Marvin, A B (<i>Miami Univ</i>) 1916 IV yr	<i>Dayton, O</i>	Technology Dormitory
Pope, Kennedy, II yr	<i>Chicago, Ill</i>	428 Charles River R'd
Porcher, Francis Davis, S B (<i>Virginia Military Institute</i>) III yr	<i>Cambridge,</i>	4 Newton St.
Putnam, Harold Marshall, III yr	<i>Lowell,</i>	36 Marlboro St , Lowell
Rimbach, Richard, IV yr	<i>New York, N Y</i>	Technology Dormitory
Robertson, Walter Harrison, IV yr	<i>Dorchester,</i>	56 Wellesley P'k , Dor.
Robillard, Robert Edouard, II yr	<i>Cambridge,</i>	486 Huron Ave.
Rowe, Raphael Robinson, A B (<i>Harvard Univ</i>) 1916 IV yr	<i>Grand Rapids, Mich.</i>	200 Bay State R'd, Boston
Rubin, David Nathan, IV yr	<i>Holyoke,</i>	Technology Dormitory
Schefer, Albert Philip, III yr	<i>Taunton,</i>	8 Paull St , Taunton
Shlager, Abraham Esau, II yr	<i>Boston,</i>	109 Leverett St , Boston
Sias, Oscar Buzzell, II yr	<i>Ossipee, N H.</i>	37 Bay State R'd, Boston
Sih, Tse-sing, S B (<i>Nanyang Coll</i>) 1916 IV yr	<i>Shanghai, China,</i>	171 Auburn St.
Slotnik, Isidor, III yr	<i>Chelsea,</i>	10 Lawrence St., Chelsea
Smith, Merritt Parker, III yr	<i>North Scituate, R. I</i>	Technology Dormitory
Spencer, Ralph Brackett, II yr	<i>Brockton,</i>	156 Spring St , Brockton
Stiller, Harry, III yr	<i>Roxbury,</i>	96 Harrishof St., Rox.
Sullivan, Edmund Carey, II yr	<i>Lowell,</i>	39 Loring St., Lowell
Thomas, George Washington, IV yr	<i>Lowell,</i>	85 Eleventh St., Lowell
Timanus, Clarence Sydney, IV yr.	<i>Kansas City, Mo.</i>	16 St. Botolph St., Boston

STUDENTS

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Tribou, Ralph Ellsworth, III <i>yr</i>	<i>Montello,</i>	68 Westland Ave , Boston
Tu, Yu Ching, IV <i>yr</i>	<i>Hupek, China,</i>	546 Newbury St , Boston
Watts, Earle Francis, II <i>yr</i>	<i>Quincy,</i>	735 E Squantum St , Quincy
Westland, Charles Edward, III <i>yr</i>	<i>Winter Hill</i>	4 Aldrich St , Winter Hill
Wexler, David, II <i>yr</i>	<i>Fall River,</i>	12 Elmhurst St , Dor.
Weymouth, Henry Stanley, III <i>yr</i>	<i>Dexter, Me</i>	261 Newbury St , Boston
Whelan, Daniel Edward, Jr II <i>yr</i>	<i>Campello,</i>	91 No Leyden St., Campello
White, Charles Eaton Browning, III <i>yr</i>	<i>Toledo, O</i>	820 Mass Ave.
White, Horace Dyball, III <i>yr</i>	<i>Cambridge,</i>	67 Yerxa R'd
Williams, Abraham José, III <i>yr</i>	<i>Choluteca, Honduras,</i>	144 Huntington Ave , Boston
Wilson, Henry Everett, III <i>yr</i>	<i>Ipswich,</i>	79 County R'd, Ipswich
Wilson, Leland David, II <i>yr</i>	<i>New Rochelle, N. Y</i>	12 Hemenway St , Boston

UNCLASSIFIED STUDENTS

Béique, Jean Edgar, II <i>yr</i>	<i>Montreal, Can</i>	493 Commonwealth Ave , Boston
Boettner, Francis Ernest, II <i>yr</i>	<i>Peabody,</i>	130 Lowell St , Peabody
Brown, Charles Ellsworth, II <i>yr</i>	<i>Kansas C'ty, Mo</i>	113 Gamsboro St., Boston
Brown, Philip Renwick, S B (Cornell Univ) 1911	<i>San Diego, Cal</i>	283 Newbury St , Boston
Clark, Waldo Bishop, III <i>yr</i>	<i>Belmont,</i>	227 Payson R'd, Belmont
Connors, Myles Francis, III <i>yr</i>	<i>Washington, D C</i>	499 Audubon R'd, Boston
Cook, Jere Hewett, III <i>yr</i>	<i>Boston,</i>	157 Hemenway St., Boston
Curtin, Frederick James, II <i>yr</i>	<i>Taunton,</i>	201 Weir St , Taunton

Ellis, Carl Ambrose, II yr	Waltham, 85 Waverley Oaks R'd, Waltham
Falkenberg, John Joseph, III yr	Kansas City, Mo 128 Hemenway St, Boston
Falkenberg, Robert Lawrence, III yr	Kansas City, Mo 128 Hemenway St., [Boston]
FitzGerald, William Joseph, II yr	W Roxbury, 266 Park St, W Rox.
Glassett, Alfred Thomas, II yr	Brighton, 37 Foster St, Brighton
Gleason, Robert Winfred, III yr	Frammingham, 3 Summit St, Frammingham
Helrich, Carl Sanfrid, III yr	Everett, 139 Bucknam St, Everett
Holmgren, Richard Sigfrid, III yr.	E Lynn, 184 Harvard St.
Hughes, Thomas Lewis, II yr	Canton, 50 Eliot St., Canton
Johnson, Alfin, SB (Oregon Agricultural Coll) 1911	Honolulu, Hawaii, 34 Dalton St, Boston
Johnson, Andrew Ture, II yr	Dorchester, 27 Tophliff St, Dor
Kainig, Elias Sehag, AB (Euphrates Coll) 1914	Keswig, Armenia, 153 Worcester St., Boston
Kellar, John Wilham, II yr	W Newton, 104 Charles River R'd
Levangie, George Walter, II yr	Dedham, 46 Clark St, Dedham
Liu, Gee Call, IV yr	Hongkong, China, 820 Mass. Ave.
Luce, Willis Chaffee, II yr	Vineyard Haven, 23 Claremont P'k, Boston
McCreery, George William, III yr	Fall River, 316 Huntington Ave, Boston
Manny, Constantine Christo, III yr	Koritza, Albania, 22 Concord Sq, Boston
Martinson, Oscar Sigfrid, III yr	Barre, Vt Technology Dormitory
Murdough, Edwin Bennett, II yr	Dorchester, 25 Windermere R'd, Dor.
Murray, Harold James, III yr	Brockton, 37 May Ave., Brockton

Ryan, Raymond Patrick, II yr	New York, N Y	12 Hemenway St , Boston
Whitehead, Ernest Parker, II yr	Worcester,	Technology Dormitory
Winebaum, Arthur, II yr	Lawrence,	390 Hampshire St , Lawrence
Wright, Leigh Washburn, II yr	Belmont,	582 School St , Belmont

SPECIAL STUDENTS

Cobb, Collier, Jr	Chapel Hill, N C	T 41
A B (Univ of North Carolina) 1914,	S B (ibid) 1915	IV yr
Hazelet, Craig Potter,	Cordova, Alaska,	326 Harvard St.
S B (Univ of Washington) 1915	IV yr	

MECHANICAL ENGINEERING

CLASSIFIED STUDENTS

Abbott, Norris Greenleaf, Jr II yr	Providence, R I	484 Beacon St , Boston
Alvare, Faustino Nemesio, S B (Instituto de Santa Clara, Cuba) 1913	Sagua la Grande, Cuba, IV yr	25 Queensberry St , Boston
Barney, Frederick Waldo, III yr	Providence, R I.	104 Charles River R'd
Barry, Elmer Lawrence Wesley, II yr	Holliston,	Holliston
Beattie, Challen Morton, IV yr	Quincy,	Technology Dormitory
Berkowitz, Morris, III yr	Roxbury,	2 Hutchings St , Rox
Berkowitz, Robert Reuben, II yr	Dorchester,	12 Lorne St , Dor.
Berliner, Henry Adler, IV yr	Washington, D C.	Technology Dormitory
Blaisdell, Sidney Briggs, IV yr	Providence, R I	164 Strathmore R'd, Brighton
Blake, Arthur Henry, II yr.	Wollaston,	261 Safford St , Wollaston
Blumberg, Henry Bernard, III yr	Roxbury,	64 Brunswick St , Rox
Boice, Frank Seymour, A B (Occidental Coll) 1915	Pasadena, Cal	H'y 7
	IV yr	

Bolotin, Jacob Joseph, IV yr	Youngstown, O	Technology Dormitory
Bond, Clinton Lucius, II yr	Adams,	Technology Dormitory
Bower, Richmond, II yr	Braintree,	414 Elm St , Braintree
Bradley, Frank Leo, II yr	Everett,	46 Summer St , Everett
Breed, Stanton Holway, III yr	Worcester,	200 Bay State R'd, Boston
Brickett, Edward Montgomery, II yr	Lynn,	42 Shepard St , Lynn
Bristol, Benjamin Hiel, 2d, III yr	Foxboro,	161 Bay State R'd, Boston
Brown, George Irving, II yr	Auburn, Me	37 Bay State R'd, Boston
Burnham, Laurence Haskell, II yr	Lexington,	East St , Lexington
Caldwell, Stuart Hill, IV yr	Newton Centre,	517 Beacon St , Boston
Carter, John Stanley, III yr	Malden,	96A Fairmont St , Malden
Cartwright, Ralph Arthur, III yr	Cambridge,	147 Magazine St.
Casey, Bartholomew Francis, II yr	Bridgewater,	Technology Dormitory
Chamberlain, Samuel Harrison, Jr. IV yr	Boston,	114 The Fenway, Boston
Chayne, Charles Augustine, III yr	Harrisburg, Pa	283 Newbury St , Boston
Clark, Myron Harrison, III yr	Concord,	484 Beacon St , Boston
Cleveland, Byron Redmond, IV yr	Lawrence,	33 Farnham St., Lawrence
Coyle, John Henry, II yr	Hartford, Conn.	512 Commonwealth Ave , Boston
Crosby, Ralph Joseph, IV yr	Hartford, Conn	749 Saratoga St., E. Boston
Crowley, John D. II yr	Fall River,	201 Pearl St.
Cummings, Stanley Robinson, IV yr	Wollaston,	Technology Dormitory

Curry, Justin Richard, II yr	Lynn,	4 Forest St , Lynn
Cutter, George Harwood, II yr	Allston,	218 Brighton Ave , Allston
Dalton, Laurance Melvin, III yr	Portland, Me	491 Commonwealth Ave , [Boston]
Davidson, Hobait Oakes, <i>Holland Patent, N Y</i> S B (<i>Colgate Coll</i>) 1913	II yr	138 Elm St , N Cambridge
Davis, Cutter Pierce, III yr	Dorchester,	71 Waldeck St , Dor.
Derr, Thomas Sieger, A B (<i>Harvard Univ</i>) 1917	III yr	Brookline, 83 Centre St , B'kline
Derrah, Robert Vincent, IV yr	Salt Lake City, Utah,	491 Commonwealth Ave , Boston
Dewey, William Farnham, II yr	Great Barrington,	393 Broadway
Doten, Everett Fitz, III yr	Somerville,	115 Glenwood R'd, Somer
Fales, Herbert Gordon, II yr	W Newton,	104 Charles River R'd
Fiske, Carlyle Darracott, IV yr	W Roxbury,	94 Corey St , W Rox.
Fiske, David Lewis, II yr	Exeter, N H	526 Beacon St , Boston
Fitch, Harold Warner, IV yr	Dorchester Centre,	103 Tonawanda St , Dor Ctre.
Fletcher, Saxton Woodbury, IV yr	Andover,	491 Commonwealth Ave , Boston
Flint, James Arthur, IV yr	Denver, Colo.	44 N. Beacon St , Allston
Ford, Arthur Roland, III yr	Salem,	6 Plymouth St , Salem
Freeman, Evert Wendell, II yr	Providence, R I	404 Bexley Hall
Freeman, Wilbur Herbert, II yr	Dorchester,	8 Humphreys Pl , Dor.
Gail, George Philip Landmann, S B (<i>Amherst Coll</i>) 1916	III yr	Roland Park, Md 50 Mass. Ave.
Gee, Richard Hawkins, II yr	Fall River,	517 Beacon St , Boston
Gould, Joseph Herbert, Jr III yr	Dorchester,	15 Bruce St , Dor

Griebel, Frederick William, III <i>yr</i>	<i>Somerville,</i>	353 Highland Ave , Somer.
Hackett, Robert Prescott, III <i>yr</i>	<i>W Roxbury,</i>	37 Bay State R'd, Boston
Hamilton, Arthur Leo, IV <i>yr</i>	<i>Boston,</i>	718 Commonwealth Ave , Boston
Handy, William Russell, II <i>yr</i>	<i>Manville, R I</i>	16 Lee St
Harvey, Theron Finson, II <i>yr</i>	<i>Gloucester,</i>	20 St Paul St
Hedberg, Harold Frederick, II <i>yr</i>	<i>Malden,</i>	8 Evelyn Ave., Malden
Heyman, Samuel, III <i>yr</i>	<i>Detroit, Mich</i>	20 Barton St , Boston
Hickey, Thomas Francis, II <i>yr</i>	<i>Dorchester,</i>	210 Harvard St , Dor
Hirsch, George Berner, III <i>yr</i>	<i>Pittsburgh, Pa</i>	7 Centre St
Holt, James, III <i>yr</i>	<i>South Somerset,</i>	Technology Dormitory
Honiss, William Tibbits, II <i>yr</i>	<i>Hartford, Conn</i>	161 Bay State R'd, Boston
Hooper, Benjamin Morris, III <i>yr</i>	<i>Wollaston,</i>	112 Beach St , Wollaston
Hopkins, George Harold, II <i>yr</i>	<i>Pasadena, Cal</i>	1 Frost Terrace
Hugo, Ottomar Gay, IV <i>yr</i>	<i>Dulley, Tex</i>	334 Harvard St.
Hunt, Franklin Bicknell, II <i>yr</i>	<i>Swampscott,</i>	259 Humphrey St., Swampscott
Hutchings, George Bradfield, Jr IV <i>yr</i>	<i>Stanford, Conn.</i>	517 Beacon St , Boston
Illsley, Charles Hale, III <i>yr</i>	<i>Melrose Highlands,</i>	42 North Ave , Melrose Hlds
Imhoff, Willard Earl, IV <i>yr</i>	<i>Port Arthur, Tex.</i>	334 Harvard St.
Insley, Robert, S B (<i>Hamilton Coll</i>) 1916 III <i>yr</i>	<i>Nanuet, N Y.</i>	Technology Dormitory
Kasch, Richard Monroe, S B (<i>Univ of Akron</i>) 1917 II <i>yr</i>	<i>Akron, O.</i>	512 Commonwealth Ave., Boston
Kayser, Wendell Howard, IV <i>yr</i>	<i>San Diego, Cal.</i>	517 Beacon St., Boston

Kennedy, Parker Henry, IV yr	Middleboro,	37 Bay State R'd, Boston
Legge, Elmer Earle, IV yr	Brockton,	44 The Fenway, Boston
Le Vine, Harry Carl, IV yr	Melrose,	25 Holbrook C't, Melrose
Levine, Leonard Isaac, IV yr	Dorchester,	5 Nottingham St, Dor
Little, Charles Edmund, II yr	Melrose,	95 Malvern St, Melrose
Long, Francis Leroy, IV yr	Lawrence,	28 Union St, Lawrence
Lovejoy, Henry Foster, II yr	Milford, N H	17 Lee St.
McCausland, John Woods, IV yr	Chicago, Ill	Technology Dormitory
Machea, George Michael, A B (Loyola Univ) 1914 IV yr	New Orleans, La	283 Newbury St, Boston
McKenney, Walter Raymond, III yr	Bridgeport, Conn.	Technology Dormitory
McLaughlin, Carl Patrick, IV yr	Portland, Me	24 Hamilton St, Dor
McLaughlin, George Edward, IV yr	Brookline,	112 Davis Ave, B'kline
McNally, Edwin Mongan, IV yr	Chelsea,	283 Newbury St, Boston
Magoun, Frederick Alexander, IV yr	Cambridge,	70 Kirkland St
Mahony, Ralph Gerard, IV yr	Sterling,	3 Summer St
Manter, Elwood McElwain, IV yr	Auburndale,	69 Oak Square Ave, Brighton
May, Elliot Darwin, III yr	Winchendon,	17 Ivy St., Boston
Merriam, Harold Wesley, II yr	Canton,	59 Independence St, Canton
Merrill, Donald Godfrey, IV yr	Taunton,	27 Ingell St, Taunton
Miller, Harold Lionel, IV yr	Needham,	104 St Botolph St., Boston
Miller, Raymond Percy, IV yr.	Swampscott,	76 Middlesex Ave., Swampscott

Moy-Ding, Wilham, II yr	Boston,	63 Beach St , Boston
Nash, John Crandon, II yr	Cherryfield, Me	526 Beacon St., Boston
Nelles, Philip Augustus, Jr II yr	Lexington,	69 Hancock St , Lexington
Nicholas, John Williamson, II yr	Eastport, Me	8 Apthorp House
Noelke, Harry Montgomery, II yr	Mertzton, Tex	493 Commonwealth Ave , Boston
Nutter, Karl Locke, III yr	Newton Upper Falls,	1174 Boylston St., [Newton Upper Falls
O'Donnell, Charles Henry James, II yr	Lowell,	60 Varnum St , Lowell
Osgood, Wilham Ruprecht, A B (Harvard Univ) 1917	Cambridge,	74 Avon Hill St III yr
Page, Sherwood, III yr	Melrose Highlands,	20 Pearl St , Melrose Highlands
Patterson, Robert, II yr	So Manchester, Conn.	484 Beacon St , Boston
Pearson, Frank Cogswell, IV yr	Keene, N H	61 St Botolph St , Boston
Pierce, Edward Franklin, Jr III yr	Melrose Highlands,	46 Clifton P'k, [Melrose Highlands
Pope, Arthur Wilson, Jr IV yr	Geneva, Ill.	427 Charles River R'd
Putnam, John Pickering, A B (Harvard Univ) 1916	Boston,	535 Beacon St , Boston III yr
Reed, Howard Finley, A B (Amherst Coll) 1915	Roxbury, O	29 Forrest St IV yr
Richardson, Edward Adams, III yr	Cambridge,	18 Trowbridge St
Roman, Kenneth, II yr	Brookline,	77 Gibbs St , B'kline
Rommer, Henry, III yr	Boston,	37 Joy St , Boston
Rowe, George Ernest, II yr	Fall River,	25 Inman St.
Rowe, James Everett, IV yr	Pawtucket, R. I	37 Bay State R'd, Boston
Russell, Warren King, II yr	Dorchester,	13 Allston St , Dor.

Salah, John Suleiman, A B (<i>Syrian Protestant Coll</i>) 1918	<i>Ram Allah, Palestine</i> , 30 Mt Auburn St. IV yr	
Saunders, Albert, IV yr	<i>Malden</i> ,	10 Henry St, Malden
Sawyer, Albert Francis, IV yr	<i>Haverhill</i> ,	113 Gainsboro St, Boston
Sibley, Dean Sheridan, IV yr	<i>No. Newport, N H</i>	283 Newbury St, Boston
Southwick, Bertram Holden, III yr	<i>E Lynn</i> ,	126 Bowler St, E Lynn
Spooner, Frederick Carroll, III yr	<i>Furnace</i> ,	169 W Newton St, Boston
Sturtevant, Harold Vaughan, IV yr	<i>E Lynn</i> ,	Technology Dormitory
Svenson, Carl Louis, III yr	<i>Mattapan</i> ,	303 Wood Ave, Mattapan
Swift, George Whitney, II yr	<i>Taunton</i> ,	55 Oak St, Taunton
Tirrell, Robert Wilson, II yr	<i>Brockton</i> ,	161 Bay State R'd, Boston
Visscher, John Sherman, II yr	<i>Waterbury, Conn.</i>	Technology Dormitory
Vought, Alfred Benedict, IV yr	<i>Rutherford, N J</i>	113 Gainsboro St, Boston
Webber, Eaton, III yr	<i>Newton</i> ,	199 Hunnewell Terr, Newton
Weiscopef, Marcus William, IV yr	<i>Brookline</i> ,	1782 Beacon St, B'kline
Whitcomb, Ralph Leslie, IV yr.	<i>Sharon</i> ,	420 Harvard Ave., B'kline
Williams, Russell Estes, III yr	<i>Taunton</i> ,	140 Dean St, Taunton
Wilson, George Arthur, II yr	<i>Newburyport</i> ,	9 Beacon Ave, Newburyport
Wong, Zeng-Tse, IV yr	<i>Shanghai, China</i> ,	34 William St
Wyse, Francis Octavus, III yr	<i>Toronto, Can</i>	44 The Fenway, Boston
Young, Ira Randolph, IV yr	<i>Waverley</i> ,	74 Agassiz Ave, Waverley

UNCLASSIFIED STUDENTS

Alexander, Carleton Ernest, II yr	<i>St Albans, Vt</i>	Technology Chambers, [Boston]
Badger, Edward Franklin, II yr.	<i>Allston,</i>	58 Glenville Ave , Allston
Bean, Karl David, II yr	<i>Boston,</i>	1089 Boylston St , Boston
Becker, James Howard, III yr	<i>Clyde, O</i>	261 Newbury St , Boston
Best, Theodore Harding, Jr II yr	<i>Dorchester,</i>	2 Chamblet St , Dor
Bourke, Norman Tobitt, A B (<i>Univ of Nebraska</i>) 1917	<i>Omaha, Neb</i>	140 Magazine St.
Britton, Frederick Schall, III yr	<i>Lexington,</i>	8 Bedford St , Lexington
Brown, Ronald Benjamin, IV yr	<i>Rutherford, N. J.</i>	517 Beacon St , Boston
Burt, George Henry, II yr	<i>Urbana, Ill.</i>	203 Bay State R'd, Boston
Carroll, Edward Vincent, II yr	<i>Fall River,</i>	17 Lee St
Coachman, Kendrick Powell, II yr	<i>Rio de Janeiro, Brazil,</i>	41 Bromfield St , [Boston]
Deane, Andrew, III yr	<i>Wollaston,</i>	853 Hancock St , Wollaston
Des Marais, George Fenelon, II yr	<i>Boston,</i>	170 Huntington Ave , Boston
Dorr, Herbert Reedy, II yr	<i>Dalton, Pa</i>	7 Cleveland St
Eksergian, Carolus Levon, II yr.	<i>Somerville,</i>	9 Madison St , Somer.
Esner, Arthur, II yr	<i>Wakefield,</i>	75 Pleasant St , Wakefield
Fortin, Adelaar Joseph, II yr	<i>Lowell,</i>	134 Austin St.
Fraser, Alfred Alexander, II yr	<i>Wellesley,</i>	65 Linden St , Wellesley
Garrigus, Alfred Clarence, II yr	<i>Bristol, Conn</i>	393 Broadway
Goodwin, Harold Lothrop, II yr.	<i>Roxbury,</i>	133 Ruthven St., Rox

Green, George Nelson, II <i>yr</i>	<i>Syracuse, N. Y.</i>	427 Marlboro St , Boston
Hall, Clyde Keith, II <i>yr</i>	<i>Ipswich,</i>	69 Central St , Ipswich
Hammond, Carl Wing, II <i>yr</i>	<i>Quincy,</i>	45 Beech St , Quincy
Higgins, Joseph, III <i>yr</i>	<i>Cambridge,</i>	1 Leonard Ave
Hill, Francis Thomas, II <i>yr</i>	<i>Canton,</i>	45 Sherman St , Canton
Knox, Merrill B II <i>yr</i>	<i>Chicago, Ill</i>	175 Chester St., Allston
Leahy, William Joseph, III <i>yr</i>	<i>Randolph,</i>	Main St , Randolph
Lee, Marshall Baldwin, III <i>yr</i>	<i>Clinton,</i>	1758 Beacon St , B'kline
Lee, Wee Kua, III <i>yr</i>	<i>Chen Chow, China,</i>	Technology Dormitory
Lowell, Ernest Cuthbert, II <i>yr</i>	<i>W Medford,</i>	32 Irving St , W. Medford
McGreenery, Paul Aloysius, IV <i>yr</i>	<i>Winchester,</i>	32 Calumet R'd, Winchester
McIntosh, Alan Henderson, II <i>yr</i>	<i>W Roxbury,</i>	29 Westover St , W Rox
McNear, George Roger, II <i>yr</i>	<i>Auburndale,</i>	104 Charles River R'd
Magraw, George Frederick, III <i>yr</i>	<i>E. Lynn,</i>	56 Goldthwaite St., E Lynn
Marovitz, Herman Joseph, II <i>yr</i>	<i>Everett,</i>	88 Irving St , Everett
Miller, Wesley Barrington, III <i>yr</i>	<i>Freeport, N Y.</i>	Technology Dormitory
Mitchell, Robert Williamson, III <i>yr.</i>	<i>Taunton,</i>	15 Prospect St , Taunton
Moberg, Harold Carl, III <i>yr</i>	<i>Campello,</i>	37 Angel St., Dor.
Morrison, Robert Fletcher, III <i>yr</i>	<i>Yonkers, N. Y.</i>	278 Harvard St.
O'Brien, James William, Jr III <i>yr</i>	<i>Cambridge,</i>	10 Howland St.
Ormon, James Brodie, II <i>yr</i>	<i>Newton Upper Falls,</i>	995 Chestnut St , [Newton Upper Falls]

Parsons, Charles Jewett, III <i>yr</i>	<i>Brooklyn, N Y</i>	179 Bay State R'd, Boston
Pastorino, Francesco, III <i>yr</i>	<i>Boston,</i>	93 Revere St., Boston
Pierce, Russell Moulton, II <i>yr</i>	<i>West Newbury,</i>	290 Mass Ave.
Pender, Robert Theodore, II <i>yr</i>	<i>Nahant,</i>	Technology Dormitory
Pierson, Theodore Adolphus, Jr IV <i>yr</i>	<i>Hopewell, N J</i>	44 Magazine St
Prescott, Henry Batchelder, II <i>yr</i>	<i>Franklin, N H</i>	334 Bay State R'd, Boston
Preston, William Henry, II <i>yr</i>	<i>Ponce, Porto Rico,</i>	41 Thomas R'd, Swampscott
Quirk, Thomas Addis, II <i>yr</i>	<i>Dorchester,</i>	30 Speedwell St , Dor
Richardson, Ernest Henry, II <i>yr</i>	<i>Medford,</i>	41 Royal St , Medford
Role, Maurice Harold, III <i>yr</i>	<i>Boston,</i>	39 Chambers St , Boston
St John, Laurence Darius, III <i>yr</i>	<i>New Canaan, Conn</i>	261 Newbury St , Boston
Schildbach, Walter Albert, II <i>yr</i>	<i>Brookline,</i>	36 Columbia St , B'kline
Smith, Albert Valentine, II <i>yr</i>	<i>Winthrop,</i>	32 Oakland St , Winthrop
Tavener, Charles Howell, III <i>yr</i>	<i>Mattapan,</i>	1525 Blue Hill Ave., Mattapan
Tooley, Joseph Hicks, III <i>yr</i>	<i>El Paso, Tex</i>	179 Bay State R'd Boston
Vogt, William H III <i>yr</i>	<i>Rockford, Ill.</i>	46 Mass Ave.
Wales, Arthur Edward, III <i>yr</i>	<i>Brookline,</i>	6 Elm St , B'kline
Welch, William Grow, II <i>yr</i>	<i>Milford,</i>	334 Harvard St.
Wells, Scott Hunter, II <i>yr</i>	<i>Portland, Ore.</i>	104 Charles River R'd
Yao, Char Foo, Gr (<i>Chinese Naval Coll</i>) III <i>yr</i>	<i>Anhui, China,</i>	428 Newbury St., Boston

SPECIAL STUDENT

Dandt, Alfredo Correa, III <i>yr</i>	<i>Porto Alegre, Brazil,</i>	36 Austin St.
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ELECTRICAL ENGINEERING

CLASSIFIED STUDENTS

Adams, Franklin Stanley, III yr	Stockbridge,	393 Broadway
Adams, Myron Whitlock, A B (Hamilton Coll) 1915	IV yr W Roxbury,	4 Rutledge St , W Rox.
Allen, Lawrence Herman, II yr	Attleboro,	60 Dean St , Attleboro
Babbitt, Clarence Stephen, III yr	Meda, Pa	2 Holyoke St.
Bancker, Elbert Hyatt, A B (Williams Coll) 1916	IV yr Brooklyn, N Y.	Westmorly 134
Bangratz, Ernest George, II yr	Boston,	19 Hemenway St , Boston
Banks, William Howard, Jr III yr	Roslindale,	37 Bay State R'd, Boston
Beaulieu, Leo Edward, III yr	Holyoke,	11 Belvidere St , Boston
Bennett, William Francis, Jr III yr	Somerville,	24 Spring St , Somer
Berman, Eh, IV yr	Boston,	22 No Russell St , Boston
Bibber, Harold Whitney, II yr	Gloucester,	Technology Dormitory
Bliss, George, II yr	Washington, D C	1067 Beacon St , B'kline
Blye, Paul Woodbury, III yr	Haverhill,	460 Water St , Haverhill
Booth, Ralph Douglas, II yr	Methuen,	2 Merrill St , Methuen
Brodrick, Ralph Wilson, II yr.	Sterling, Ill	Technology Dormitory
Buckley, John Edward, Jr II yr	Nashua, N H	13 Hall Ave , Nashua, N H
Burckett, Douglas Mellen, III yr	Somerville, N. J.	37 Mall St , Lynn
Calvert, Albert, II yr.	Brookline,	Clyde St , B'kline
Cannell, Joseph Elliot, III yr	Everett,	6 Foster St , Everett

Carter, James Rose, II yr	Andover,	High Plain R'd, Andover
Chiu, Wei-Yu, S B (<i>Nan Yang Coll</i>) 1916	Wuseh, China,	22 Magazine St
IV yr		
Clogher, Eaton James, IV yr	Dorchester,	8 Nottingham St , Dor
Coldwell, John Sharples, III yr	So. Swansea,	179 Bay State R'd, Boston
Costelloe, William Henry, IV yr	Saginaw, Mich	Technology Dormitory
Crotwell, Samuel Philp, Jr IV yr	Newberry, S C	171 Hemenway St., Boston
Dagnall, Clarence Herschel, IV yr	Oak Bluffs,	Technology Dormitory
Dandrow, Charles George, Jr II yr	South Boston,	920 East 4th St , So. Boston
Dehon, Theodore, Jr III yr	Spartanburg, S C	246 Newbury St., Boston
Denison, Horace Webster, III yr	Chelsea,	179 Bay State R'd, Boston
Downey, James Francis, Jr II yr	Boston,	144 Warren Ave., Boston
Eales, Malcolm Alfred Lancelot, IV yr	Melrose,	4 Chestnut P'k , Melrose
Elliott, John Telford, III yr	Newburyport,	47 Commercial St., Lynn
Elz, George Adolph, IV yr	Jamaica Plain,	86 Orchard St., Jam Pl.
Ettlinger, Eli, A B (<i>Harvard Univ</i>) 1917	St. Louis, Mo	47 Commercial St , Lynn
III yr		
Evelev, Yale, IV yr	Boston,	21 Middlesex St., Boston
Farist, Charles Joel, III yr	Cheshire, Conn	203 Bay State R'd, Boston
Farrand, Edmund Goldthorpe, III yr	Penacook, N H	424 Newbury St., Boston
Fassitt, Andrew Jackson, Jr II yr.	Cambridge,	27 Walden St.
Fredrickson, Gustaf Olaf, II yr	Cambridge,	30 Pilgrim St
Freeman, Oliver Francis, III yr	Winchester,	12 Mystic Ave , Winchester

Gausenberg, Valentin, II yr	<i>Odessa, Russia,</i>	32 Westland Ave , Boston
Gelnas, Maurice Edward, IV yr	<i>Lowell,</i>	34 Austin St
Gilbert, Ralph Hallett, III yr	<i>Needham,</i>	709 Webster St , Needham
Given, Frederick James, III yr	<i>Woburn,</i>	116 Bedford St , Woburn
Gleason, Harold Low, IV yr	<i>Dorchester,</i>	8 Peacevale R'd, Dor.
Goodman, Aaron, IV yr	<i>Dorchester,</i>	34 Fabyan St , Dor.
Granger, Harry Inwood, II yr	<i>So Weymouth,</i>	South Weymouth
Gray, Charles Harry Grace, IV yr	<i>Dorchester,</i>	36 Alpha R'd, Dor.
Grohe, Robert Ferdinand, IV yr	<i>Roxbury,</i>	3 Westerly St , Rox.
Grosser, Bennett Meyer, II yr	<i>Roxbury,</i>	48 Devon St , Rox.
Gustaveson, John Warren, IV yr	<i>Norfolk, Va</i>	107 Gainsboro St , Boston
Hall, Merton Colvin, II yr	<i>Brockton,</i>	52 West Park St , Brockton
Harrington, Elliott Dean, S B (Belout Coll) 1916 IV yr	<i>Elkhorn, Wis</i>	Technology Dormitory
Herrick, Charles Merton, III yr	<i>Ward Hill,</i>	I St , Ward Hill
Heyl, Robert Chapman, Jr A B (Princeton Univ) 1916. IV yr.	<i>Wynnewood, Pa</i>	The Canterbury, Boston
Hills, Henry Willard, II yr	<i>Everett,</i>	174 Vine St , Everett
Honig, Albert Ralph, Jr II yr	<i>Lowell,</i>	614 Westford St , Lowell
Hu, Kuang Piao, III yr	<i>Tientsin, China,</i>	Technology Dormitory
Hudnut, Frank Parker, Jr II yr	<i>New Bedford,</i>	517 Beacon St , Boston
Hulseman, Giles Daniel, IV yr	<i>Kansas City, Mo</i>	512 Commonwealth [Ave , Boston
Kain, George Alexander, II yr	<i>Stevensville, Mont</i>	43 Cottage St

Kaufman, Joseph, III yr	Dorchester,	12 Browning Ave., Dor.
Kelley, Leo Alexis, III yr	Arlington,	30 Cleveland St , Arlington
Kenison, Arthur Cilley, III yr	Watertown,	48 Franklin St , Watertown
Kennard, John William Bennett, IV yr	Dorchester,	15 Folsom St , Dor
Kiley, John Timothy, IV yr	Somerville,	11 Morton St , Somer
Kinghorn, Archibald Hendrie, Jr II yr	Lawrence,	204 Bailey St , Lawrence
Krasnoff, Nathaniel, IV yr	Union, S C	Technology Dormitory
Lane, Frederic Allen, IV yr	Gloucester,	Technology Dormitory
Lariviere, John Bantista, II yr	Fall River,	21 Bigelow St
Lawton, Frank Watson, II yr	Newton Highlands,	161 Bay State R'd, Boston
Lindgren, Carl Alfon, Jr IV yr	Hathorne,	Hathorne
Logan, John Wood, Jr II yr	Bala, Pa	161 Bay State R'd, Boston
Lyons, John Joseph, II yr	Dorchester,	23 Frederika St , Dor
MacAlister, Alexander Goodall, Jr IV yr	Camden, N J	Technology Dormitory
McGuire, Donald Ball, II yr	New Berlin, N. Y	Technology Dormitory
McIvor, Carlisle Chandler, IV yr	Brookline,	15 Euston St., B'kline
Mackay, William Roy, III yr	Boston,	19 Batavia St , Boston
McKeen, William Riley, Jr. II yr	Terre Haute, Ind	212 Newbury St., Boston
Mann, Samuel, IV yr	Plainfield, N. J	Technology Dormitory
Martinez, Lauro, II yr.	Monterey, Mex.	888 Mass Ave
Michelson, George, III yr	Roxbury,	80 Holworthy St , Rox

Miller, Robert Alan, II yr	<i>Campello,</i>	1314 Main St , Campello
Mills, Bruce Mortrom, II yr	<i>Rutland, Vt</i>	147 Magazine St.
Miner, Henry Albert, II yr	<i>Bellows Falls, Vt</i>	17 Ivy St , Boston
Moir, James Govan, Jr II yr	<i>Arlington,</i>	15a Jason St , Arlington
Muldowney, John Mansfield, Jr IV yr	<i>Brookline,</i>	298 Boylston St , B'kline
Murray, Albert Francis, A B (<i>Maryville Coll</i>) 1915 IV yr	<i>Albany, Ala</i>	21 Norway St., Boston
Naigles, Myer Harry, II yr	<i>Dorchester,</i>	57 Greenwood St , Dor.
Pai, Ming-Hsing, II yr	<i>Huchow, China,</i>	149 Austin St.
Palmer, Russell Smith, III yr	<i>Somerville,</i>	93 Central St , Somer.
Parker, Frederick Andrew, III yr	<i>Cambridge,</i>	91 Trowbridge St
Parker, John Acton, IV yr	<i>Somerville,</i>	246 Broadway, Somer.
Paterson, Ellsworth George Daniel, III yr	<i>Melrose Highlands,</i>	976 Main St , [Melrose Highlands]
Perkins, Ellhott Ronald, II yr	<i>Arlington,</i>	33 Addison St , Arlington
Philbrick, Frederick Brueton, IV yr	<i>So Weymouth,</i>	189 Randolph St , So [Weymouth]
Pike, Moses Bernard, II yr	<i>Lubec, Me</i>	526 Beacon St , Boston
Pike, William Kenneth, III yr	<i>Cambridge,</i>	120 South Common St , Lynn
Piza, José Geigel, II yr	<i>San Juan, Porto Rico,</i>	900 Mass Ave.
Priest, Holden Chouteau, III yr	<i>Brookline,</i>	101 Abbottsford R'd, B'kline
Read, Mahlon Milton, IV yr.	<i>Cambridge,</i>	69 Mt Vernon St.
Reynolds, Albert Barnes, III yr	<i>Atlantic City, N J</i>	26 Ashford St , Allston
Richards, Arklay Seymour, III yr	<i>Cambridge,</i>	22 Bigelow St.

Richards, Henry Edward, IV yr	Lynnfield Center,	Lynnfield Center
Russell, Arthur Litchfield, IV yr	Roxbury,	57 Circuit St , Rox
Ryer, Edwin Delamater, II yr	Brookline,	104 Charles River R'd
Sandiford, Raymond Benedict, II yr	Cambridge,	38 Linnaean St.
Saunders, Edward Earl, S B (<i>Alfred Univ</i>) 1917 III yr	Alfred, N Y	20 Baker St , Lynn
Schwartz, Ernest Lincoln, III yr	Franklin, N H	16 Clinton St
Shea, Timothy Edward, III yr	Newton Upper Falls,	49 Worcester St , [Newton Upper Falls
Smiddy, Harold Francis, II yr	Fayville,	975 Dorchester Ave , Dor
Smith, Morton Arthur, III yr	Great Barrington,	393 Broadway
Soars, Everett Alexander, III yr	Newburyport,	20 Baker St , Lynn
Sorenson, Lloyd Raymond, III yr	Dorchester,	19 Boyden St , Dor.
Steele, Bruce Munger, II yr	Herkimer, N Y	491 Commonwealth Ave , Boston
Stowhas, Carlos Alberto, III yr	Valparaiso, Chile,	17 Magazine St
Talcott, Carleton Hart, II yr	Torrington, Conn	491 Commonwealth Ave , Boston
Tipton, John Howard, IV yr	Elizabethton, Tenn.	171 Hemenway St., Boston
Tucker, Carlton Everett, IV yr	Whitman,	136 School St , Whitman
Vakhliotes, John Pantelemon, IV yr	Boston,	147 Appleton St., Boston
Vepsala, Alfred, II yr	Fitchburg,	345 Washington St.
Walmsley, George, II yr	New Bedford,	245 Query St , New Bedford
Way, Donald Dickinson, III yr	New York, N. Y.	493 Commonwealth Ave., [Boston
Wenberg, Jordan William, II yr	Lawrence,	973 Mass Ave.

Whiton, Henry Rogers, III yr	<i>Hingham Center,</i>	33 Mall St , Lynn
Winkfield, Holley Stetson, III yr	<i>Winter Hill,</i>	Y M C A , Lynn
Woodruff, Louis Frank, 2d, S B (<i>Georgia School of Technology</i>) 1917	<i>Columbus, Ga</i>	Technology Dormitory
Wrigley, Paul Pickering, A B (<i>Williams Coll</i>) 1915	<i>Brooklyn, N Y</i>	Westmorly 134
Zahn, Edward Gustav, II yr	<i>Jamaica Plain,</i>	11 Enfield St , Jam Pl.

UNCLASSIFIED STUDENTS

Adams, Edmund Chancey, III yr	<i>Concord, N H.</i>	290 Mass Ave
Baker, Frederic Alson, III yr	<i>Rockland,</i>	215 Market St , Rockland
Besa-Montt, Hernan, Gr (<i>Naval Academy of Chile</i>) 1915	<i>Santrago, Chile,</i>	50 Peterboro St , Boston
Burr, Regnald Geddes, II yr	<i>Hingham,</i>	Lincoln St , Hingham
Coffin, George Wheeler, II yr	<i>Dorchester,</i>	River Bank Court
Collins, William Lovejoy, IV yr	<i>Newton Highlands,</i>	44 Carver R'd, [Newton Highlands]
Crowley, John William Arthur, II yr	<i>Roxbury,</i>	3 Cobden St , Rox
Curran, John Thomas, III yr	<i>Lawrence,</i>	16 Willow St , Lawrence
Deal, Harmon Bridwell, II yr	<i>Cape Girardeau, Mo</i>	200 Bay State R'd, [Boston]
Dooley, Henry Gerard, II yr	<i>Boston,</i>	15 Schafer St., Dor
Emerson, Howard William, II yr	<i>Shirley,</i>	210 Bexley Hall
Fisk, Harry Howland, A B (<i>Lawrence Coll</i>) 1916	<i>Green Bay, Wis</i>	41 Magazine St
Geisler, Hugo Paul, Jr. III yr.	<i>Saginaw, Mich.</i>	Technology Dormitory
Hadden, Weston, II yr	<i>Brooklyn, N Y</i>	37 Bay State R'd, Boston
Hedn, Conrad Hanson, II yr	<i>Cambridge,</i>	367 Harvard St

Kjaer, Homo John, II yr	Jamaica Plain, 73 Spring Park Ave, Jam Pl.
Kuljian, Harry Asdour, III yr	Aintab, Turkey, 11 Belvidere St, Boston
Langille, Wilfred Otto, III yr	Jamaica Plain, 148 Paul Gore St, Jam Pl.
Lau, Sik Kei, III yr	New York, N Y 23 Bigelow St
Lehmkuhl, Joakim, IV yr	Bergen, Norway, Westmorly
Li, Shee-mon, III yr	Kashan, China, 149 Austin St
Little, Edward Norton, A B (Yale Univ) 1916 IV yr	Peoria, Ill 526 Beacon St, Boston
Lloyd, Thomas Morse, III yr	Portsmouth, O 333 Mass Ave, Boston
Loucks, Milton Albert, III yr	Gloversville, N Y. Technology Dormitory
McIntosh, Harold Wales, III yr	Needham, 120 South Common St, Lynn
McLaughlin, Eugene Reginald, III yr	Holbrook, So Franklin St, Holbrook
Matthews, George Kelly, II yr	Richmond, Va 120 Magazine St.,
Moffatt, Edward Hopkins, IV yr	Woodstock, Ont 50 Mass Ave.
Rich, Edwin Newell, II yr	Newton, 6 Channing St., Newton
Sanders, Marion Sutton, S B (Washington and Lee Univ) 1917 III yr	Roanoke, Va 113 Gainsboro St, Boston
Scofield, Edward Ellis, III yr	Oconto, Wis 4 Ames St.
Sheeline, Paul Daniel, III yr	San Francisco, Cal 20 Prescott St.
Shelton, Philo Sherwood, IV yr	Bridgeport, Conn 137 Newbury St, [Boston]
Slator, Grover Cleveland, III yr	Brackettville, Tex 99 Norway St, Boston
Somerby, Philip Bickner, II yr	Winthrop, 125 Grover Ave, Winthrop
Stam, Jesse, III yr	New York, N. Y Technology Dormitory

STUDENTS

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Sweeney, Frank Morgan, II yr	Peabody,	83 Tremont St., Peabody
Tortorelli, Christopher Lucius, II yr	Chicago, Ill	78 Westland Ave, Boston
Travis, Simeon Edmund, Jr S B (<i>Mississippi Coll</i>) 1917	Hattiesburg, Miss II yr	1396 Beacon St., [B'kline]
Wang, Han Chen, II yr	Tientsin, China,	149 Austin St
Wilson, Irving Harrison, II yr	Lynn,	91 Magazine St.
Wolozin, Julius, II yr	E Boston,	142 Chelsea St, E Boston

SPECIAL STUDENTS

Fransson, Frans Jorl, Gr (<i>Chalmers Technical Institute, Göteborg, Sweden</i>) 1914	Nommeholm, Sweden,	1010 Mass Ave IV yr
Gibbon, Charles Orlando, S B (<i>Purdue Univ</i>) 1914, S M (<i>Mass Institute of Technology</i>) and (<i>Harvard Univ</i>) 1917	Millville, N J IV yr	132 Hemenway St, Boston
Mori, Hyogo, Gr (<i>Imperial Kyoto Univ</i>) 1912	Imperial Kyushu University, Japan, IV yr	49 Oxford St
Velander, Frans Edvard Hubert, Gr (<i>Royal Institute of Technology, Stockholm</i>) 1916	Mullsjö, Sweden, IV yr	1200 Mass Ave.

SANITARY ENGINEERING

CLASSIFIED STUDENTS

Allen, James Hale, II yr	Lawrence,	123 Cross St, Lawrence
Bond, Nelson Arthur, III yr	Roxbury,	203 Bay State R'd, Boston
Chudsey, Halmer Carleton, II yr	Windsor, Conn.	947 Mass Ave.
Gillett, Laurence Arnold, III yr	Newburyport,	30 Centre St, B'kline
Hall, Roger Tryon, III yr	Arlington,	62 Fairmont St, Arlington
Jackson, Leslie Allerton, III yr	Lawrence,	63 Bigelow St, Lawrence
Kennedy, Charles Thomas, III yr (also Civil Eng)	Boston,	29 Wellington St., Boston
Kilduff, John West, III yr.	Boston,	354 Columbus Ave, Boston

Kitson, Sydney William, II yr.	Greenfield,	82 Wheeler Ave , Brockton
McDill, Bruce Magaw, A B (<i>Miami Univ</i>) 1912	Oxford, O	543 Boylston St , Boston
Musnitsky, Joahua, II yr	Fitchburg,	176 Arlington St , Chelsea
Scott, Warren Joseph, IV yr	Cambridge,	1423 Cambridge Ave
Sears, Francis Weston, II yr	Plymouth,	220 Sandwich St., Plymouth
Smith, Russell Storer, III yr	Arlington,	853 Mass Ave., Arlington
Starr, Daniel Lawrence, IV yr	So Norwalk, Conn	Technology Dormitory
Walworth, Walter Frederick, III yr	Lowell,	48 Crawford St , Lowell

UNCLASSIFIED STUDENTS

Dawson, Norman, IV yr	Needham Heights,	314 Webster St , Needham Heights
Kepner, Harold Raymond, A B (<i>Ohio Wesleyan Univ</i>) 1917	Denver, Colo	68 St German St , Boston
Knight, George Roger, II yr	Brockton,	179 Bay State R'd, Boston
Lee, Myron Harry, II yr	Riverhead, N. Y	Technology Dormitory

SPECIAL STUDENT

Johns, Alfred Augustus, A B (<i>Univ of Rochester</i>) 1915	Rochester, N Y.	543 Boylston St , Boston
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MINING ENGINEERING AND METALLURGY

CLASSIFIED STUDENTS

Barron, William Norman, II yr	Springfield,	Technology Dormitory
Brown, Adin Allen, II yr	Taunton,	92 Broadway, Taunton
Bugbee, James Marion, IV yr	Boston,	1091 Boylston St , Boston
Burbank, Wilbur Swett, III yr	Amesbury,	10 Oxford St.

Chen, Chun-Yang, IV yr	Shanghai, China,	171 Auburn St
Edmonds, Reginald Whitney, II yr	Rosindale,	86 Hewlett St , Rosindale
Erickson, Henry William, II yr	Quincy,	111 Glendale R'd, Quincy
Everit, Richard Sturtevant, III yr	Barre,	Wellesley Farms
Fairbrother, Earle Chester, II yr	Boston,	89 Gainsboro St , Boston
Halfacre, George Frederick, IV yr	Boston,	63 St Germain St , Boston
Landis, Maurice Neuman, Ph B (Yale Univ) 1915 IV yr	Chicago, Ill	225 Newbury St , Boston
Lewis, Robert Farn, III yr	Lynn,	200 Bay State R'd, Boston
Mayer, David Oscar, III yr	New York, N Y	Technology Dormitory
Perkins, John Russell, Jr II yr	Danbury, Conn	Technology Dormitory
Peterson, Martin Samuel, II yr	Norwich, Conn	Technology Dormitory
Reis, James Ward, Jr III yr	New Castle, Pa	1067 Beacon St , B'kline
Sanger, Alan Bridgman, IV yr	Dorchester,	Technology Dormitory
Stevenson, Victor, Gr (Naval Academy of Chile) 1915 II yr	Antofagasta, Chile,	52 Mass Ave
Stevenson, William O Gr (Naval Academy of Chile) II yr	Antofagasta, Chile,	52 Mass Ave
Syner, Clarence Marshall, II yr	Taunton,	100 Bay St , Taunton
Turner, William Hugh, IV yr	Hyde Park,	Technology Dormitory

UNCLASSIFIED STUDENTS

Beeche, George Augustus, B Math (Univ of Chile) 1915 III yr.	Santrago, Chile,	50 Peterboro St , Boston
Boyer, Will Warron, S B (Oregon Agricultural Coll) 1917 III yr	Portland, Ore.	Technology Dormitory
Cudworth, James Rowland, II yr	Norwich, Conn	Technology Dormitory

Fleming, George Grimes, III yr	Washington, D C	1067 Beacon St., B'kline
Grossman, Alfred Paul, IV yr	Melrose,	18 Holbrook C't , Melrose
Layng, Edward Crippen, III yr	Short Hills, N J	493 Commonwealth Ave , [Boston]
Leonori, Willham Henry, Jr II yr	Smithtown, L I , N Y	Technology Dormitory
Martinez, Marcial Ernesto, Gr (Naval Academy of Chile) 1915	Santiago, Chile, III yr	52 Mass Ave
Merritt, Roswell Augustus, A B (Mercer Univ) 1916, LL B (ibid) 1917	Macon, Ga III yr	Technology Dormitory
Mills, Oliver Adams, II yr	Roxbury,	33 Elm Hill P'k , Rox
Peart, Frederick Lawther, III yr	Denver, Colo	953 Mass Ave
Watt, Charles Henry, IV yr	Lexington,	14 Hill St , Lexington

SPECIAL STUDENTS

Ito, Masaki, Min Eng (Osaka Technical Coll) 1908	Osaka, Japan, IV yr	456 Boylston St., Boston
Nakaye, Seizo, Gr (Meizu Coll of Technology) 1915	Kioto, Japan, IV yr	213 Newbury St , Boston
Shiozawa, Masakazu, IV yr	Tokio, Japan,	19 Trowbridge St

SUMMARY

CANDIDATE FOR THE DEGREE OF DOCTOR OF ENGINEERING —	
MINING ENGINEERING	1
CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE —	
CIVIL ENGINEERING	4
MECHANICAL ENGINEERING	2
ELECTRICAL ENGINEERING	6
MINING ENGINEERING AND METALLURGY	2
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CIVIL ENGINEERING —	
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UNCLASSIFIED STUDENTS	33
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CLASSIFIED STUDENTS	137
UNCLASSIFIED STUDENTS	61
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ELECTRICAL ENGINEERING —	
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CLASSIFIED STUDENTS	16
UNCLASSIFIED STUDENTS	4
SPECIAL STUDENTS	1
MINING AND METALLURGY —	
CLASSIFIED STUDENTS	21
UNCLASSIFIED STUDENTS	12
SPECIAL STUDENTS	3
TOTAL	591

DIVINITY SCHOOL

RESIDENT GRADUATES

NAME	HOME RESIDENCE	PRESENT ADDRESS
Carlyon, James Thomas, A B (<i>Missouri Wesleyan Coll.</i>) 1904, S T B (<i>Boston Univ School of Theology</i>) 1908, A M (<i>Harvard Univ</i>) 1911,	Malden,	78 Washington St, Malden
Cavert, Samuel McCrea, A B (<i>Union Coll</i>) 1910, A M. (<i>Columbia Univ</i>) 1914, B D (<i>Union Theol Sem</i>) 1915,	Ballston Spa, N. Y	D 28
Clinton, John Daniel, A B (<i>Cornell Univ</i>) 1914, S T B (<i>Boston Univ School of Theology</i>) 1917,	Hampton, Ia	106 Ellery St
Corley, Douglas Hilary, A B (<i>Bates Coll</i>) 1913, S T B (<i>Andover Theol Sem</i>) 1915, S T B (<i>Harvard Univ</i>) 1915, A M (<i>ibid</i>) 1917, S T M (<i>ibid</i>) 1917,	Cambridge,	7 Howland St.
Davis, Ralph Marshall, A B (<i>Missouri Valley Coll</i>) 1908, B D (<i>San Francisco Theol. Sem</i>) 1915,	Omaha, Ill.	821 Broadway, So. Boston
Gavin, Frank Stanton Burns, A B (<i>Univ of Cincinnati</i>) 1912, A M (<i>Columbia Univ.</i>) 1914, B D. (<i>General Theol. Sem.</i>) 1915, S T M (<i>Harvard Univ</i>) 1917,	Cincinnati, O	38 Winthrop St
Goodenough, Erwin Ramsdell, A B (<i>Hamilton Coll</i>) 1915, S T B. (<i>Garetti Biblical Institute</i>) 1917,	Jamaica, N Y.	Holbrook
Grammes, Arthur Peter, A B (<i>Muhlenberg Coll</i>) 1914, B.D. (<i>Lutheran Theol. Sem., Mt Ary, Pa.</i>) 1917,	Cambridge,	179 Larch R'd
Harrison, Max Hunter, A.B. (<i>Knox Coll</i>) 1913, S T B (<i>Andover Theol Sem</i>) 1916, S.T B (<i>Harvard Univ</i>) 1916,	Knoxville, Ill	A. 7

- Holmes, Merrill Jacob, A B (*Simpson Coll*) 1908, A M. (*Northwestern Univ*) 1912, S T B (*Garrett Biblical Institute*) 1912, *Indianola, Ia* D. 31
- Katibah, Habib Ibrahim, A B (*Syrian Protestant Coll*) 1912, S T B (*Harvard Univ.*) 1917, *Yabrud, Syria,* D 4
- Krikorian, Yervant Hovhannes, A B (*Robert Coll., Constantinople*) 1912, B.D (*Yale Univ*) 1917, *Constantinople, Turkey,* D. 6
- Mackenzie, Francis Scott, A B (*McGill Univ*) 1914, A.M. (*ibid*) 1916, B D (*Presbyterian Coll. of Montreal*) 1916, S T M (*Harvard Univ*) 1917, *Montreal, Can.* 31 Forest St., Somer.
- Maier, Walter Arthur, A B (*Boston Univ*) 1913, Gr, *Concordia Theol Sem*, 1916, *Dorchester,* 70 Tophill St., Dor.
- Manifold, George, A B (*Transylvania Univ*) 1900, A M. (*ibid*) 1915, S T.B. (*Harvard Univ*) 1917, *Chrstchurch, New Zealand,* 48 Crescent St.
- Reed, John Franklin, A B (*Univ of Toronto*) 1911, A M (*ibid*) 1912, B.D (*Victoria Univ, Toronto, Can*) 1915, S T M (*Harvard Univ*) 1917, *Malton, Ont, Can* D 31
- Welch, Daniel Moses, A B (*Cumberland Univ*) 1909, S T B. (*Harvard Univ*) 1914, S T.M (*ibid*) 1915, *Berlin,* Berlin
- Wellman, Gordon Boit, A B (*Harvard Univ*) 1910, S T B (*Andover Theol Sem*) 1916, S T M. (*Harvard Univ.*) 1917, *Malden,* 54 Beltran St., Malden
- White, Hugh Vernon, A B. (*Univ of California*) 1917, B D (*Pacific School of Religion*) 1917, *Sacramento, Cal.* 7 Felton St.
- Wickey, Norman Jay Gould, A.B. (*Pennsylvania Coll*) 1912, B.D (*Lutheran Theol. Sem, Gettysburg, Pa*) 1915, A M. (*Harvard Univ*) 1916, *Littlestown, Pa* 15 Langdon St

MIDDLE CLASS

Perkins, Worcester, A B. 1915, A M
1917, *Greenwich, Conn* D 15

JUNIOR CLASS

Hanson, Peter Julius, A B (*Iowa*
State Teachers' Coll) 1914, *Webster City, Ia* D 21
Williams, Granville Mercer, M E
(*Columbia Univ*) 1911, *Brooklyn, N. Y* 38 Winthrop St

UNCLASSIFIED

Bleakney, Guy Garfield, B D (*Newton*
Theol Institution) 1916, *Wolfville, N S* Newton Centre
Boruchoff, Raphael Philip, LL B
(*Boston Univ*) 1917, *Malden,* 211 Bryant St, Malden
Karraker, William Archie, PH B
(*Ewing Coll*) 1913, Gr, *Rochester*
Theol Sem, 1916, *Dongola, Ill* 30 Pelham St, Newton Centre

STUDENTS IN ANDOVER THEOLOGICAL SEMINARY WHO ARE REGISTERED
ALSO IN THE HARVARD DIVINITY SCHOOL

Bayes, Ralph Ernest, A B (*Yanilton*
Coll) 1916, *Cambridge,* 93 Kirkland St.
Bedrosian, Kapriel, A A 1914, A M
1916, *Lawrence,* 33 Wilmot St, Lawrence
Black, Floyd Henson, A B (*Carson-*
Newman Coll) 1911, S T.B (*And-*
over Theol Sem) 1917, *Cambridge,* 361 Harvard St.
Broeg, Richard Theodore, A B. (*Wes-*
leyan Univ) 1916, *Cambridge,* A. 10
Canney, Aaron Wallace, A B (*Bow-*
don Coll) 1916, *Wrentham,* A 1
Cawley, Norman Bromfield, *Bedford, N H* A 2
Coombs, John Russell, *Lawrence,* D 3
DeLapp, Ambrose Clark, A B (*Morn-*
ingside Coll) 1916, *No Middleboro,* No. Middleboro
Harrison, Wilfred Dixon, A B (*Bow-*
don Coll) 1917, *Cambridge,* 80 Wendell St.
Hivale, Bhaskar, A B (*Bombay Univ.*)
1916, *Wilson Coll., Bombay, India,* A 11

Jones, Charles Stanley,	<i>So Ashburnham,</i>	So Ashburnham
Lovell, Moses Richardson, A B (<i>Boston Univ</i>) 1917,	<i>Millis,</i>	Millis
Matsuhara, Iwao, A B (<i>Univ of Southern California</i>) 1917,	<i>Tatlori, Japan,</i>	A 2
Merrill, Ivan Colson, A B (<i>Bowdoin Coll</i>) 1915,	<i>Lawrence,</i>	16 Albion St, Lawrence
Smiley, Edward Forbes, A B (<i>Harvard Univ</i>) 1917, A M (<i>Columbia Univ</i>) 1917,	<i>Winchester,</i>	9 Symmes R'd, Winchester
Thompson, Frank William, A B 1916,	<i>Waltham,</i>	20 Trapelo R'd, Waltham

STUDENTS IN THE EPISCOPAL THEOLOGICAL SCHOOL WHO ARE REGISTERED
ALSO IN HARVARD DIVINITY SCHOOL

Belshaw, Harold, A B (<i>Western Reserve Univ</i>) 1917,	<i>Cleveland, O</i>	Lawrence 26
Moodey, Christopher Russell, A B (<i>Hobart Coll</i>) 1917,	<i>Morristown, N J</i>	Lawrence 23
Moodey, John Reginald, A B (<i>Hobart Coll</i>) 1917,	<i>Morristown, N J</i>	Lawrence 22

STUDENTS IN THE BOSTON UNIVERSITY SCHOOL OF THEOLOGY WHO ARE
REGISTERED ALSO IN HARVARD DIVINITY SCHOOL

Brashares, Charles Wesley, A B (<i>Ohio Wesleyan Univ</i>) 1914, S T B (<i>Boston Univ School of Theology</i>) 1917,	<i>Delaware, O</i>	[E Boston 1075 Saratoga St,
Chanter, William George, A B (<i>Wesleyan Univ</i>) 1914, A M (<i>ibid</i>) 1915,	<i>Detroit, Mich.</i>	72 Mt Vernon St, Boston
Colliver, George Harrison, A B (<i>Coll of the Pacific</i>) 1915,	<i>San José, Cal</i>	West Hampstead, N H
Everett, Edward Irving, A B (<i>Brown Univ</i>) 1914, S T B (<i>Boston Univ School of Theology</i>) 1917,	<i>Ballardvale,</i>	72 Mt Vernon St, Boston
Forsyth, Nathaniel Frederick, A B (<i>Univ of Maine</i>) 1917, S T B (<i>Boston Univ School of Theology</i>) 1917,	<i>Boston,</i>	66 Emerald St, Boston
Grandy, William Marshall, A B (<i>Boston Univ</i>) 1916, S T B (<i>Boston Univ School of Theology</i>) 1917,	<i>Garnish, Newfoundland,</i>	72 Mt Vernon

- James, Mazey Stephen, A B (*Mt. Union Coll.*) 1914, Malden, 23 Revere St, Malden
- Jeffras, Charles William, A B (*DePauw Univ*) 1915, S T B (*Boston Univ School of Theology*) 1917, Jamaica Plain, 16 Newbern St, Jam Pl
- Philips, Warren J, A B (*Iowa Wesleyan Univ*) 1911, S T B (*Boston Univ School of Theology*) 1917, Stockport, Ia 60 Crescent St
- Stevenson, Ray, A B (*DePauw Univ*) 1915, S T B. (*Boston Univ. School of Theology*) 1917, Walpole, 72 Mt Vernon St, Boston
- Webber, Charles Clarence, A B (*Univ of Michigan*) 1915, Roxbury, 155 Ruggles St, Rox

STUDENTS IN THE NEWTON THEOLOGICAL INSTITUTION WHO ARE REGISTERED
ALSO IN HARVARD DIVINITY SCHOOL

- Bishop, Aubrey Sterling, A B (*Acadia Univ*) 1913, B D (*Newton Theol Institution*) 1915, Jamaica Plain, 258 Pond St., Jam Pl.
- Bleakney, Edward Milton Addison, A B (*Acadia Univ*) 1913, B D (*Newton Theol. Institution*) 1915, Stoneham, 314 Main St, Stoneham
- Wood, Chester Frank, A B (*Colby Coll*) 1914, B.D (*Newton Theol Institution*) 1917, Woburn, 54R College Ave, Somer.

SUMMARY

RESIDENT GRADUATES	20
MIDDLE CLASS	1
JUNIOR CLASS	2
UNCLASSIFIED STUDENTS	3
ANDOVER STUDENTS	16
EPISCOPAL THEOLOGICAL SCHOOL STUDENTS	3
BOSTON UNIVERSITY SCHOOL OF THEOLOGY STUDENTS	11
NEWTON THEOLOGICAL INSTITUTION STUDENTS	3
TOTAL	59

COLLEGES REPRESENTED

Acadia University	2	Mt Union College	1
Bates College	1	Muhlenberg College	1
Bombay University	1	Northwestern University	1
Boston University	4	Ohio Wesleyan University	1
Bowdoin College	3	Pennsylvania College	1
Brown University	1	Robert College, Constantinople	1
Carson-Newman College	1	Simpson College	1
Colby College	1	Syrian Protestant College	1
College of the Pacific	1	Transylvania University	1
Columbia University	4	Union College	1
Cornell University	1	University of California	1
Cumberland University	1	University of Cincinnati	1
DePauw University	2	University of Maine	1
Ewing College	1	University of Michigan	1
Hamilton College	1	University of Southern California	1
Harvard University	8	University of Toronto	1
Hobart College	2	Wesleyan University	2
Iowa State Teachers' College	1	Western Reserve University	1
Iowa Wesleyan University	1	Yankton College	1
Knox College	1		
McGill University	1		62
Missouri Valley College	1	Counted more than once	8
Missouri Wesleyan College	1		
Morningside College	1		54

THEOLOGICAL SEMINARIES REPRESENTED

Andover Theological Seminary	4	Pacific School of Religion	1
Boston University School of Theology	9	Presbyterian College of Montreal	1
Concordia Theological Seminary	1	Rochester Theological Seminary	1
Garrett Biblical Institute	2	San Francisco Theological Seminary	1
General Theological Seminary	1	Union Theological Seminary	1
Harvard University	9	Victoria University	1
Lutheran Theological Seminary, Gettysburg, Pa	1	Yale School of Religion	1
Lutheran Theological Seminary, Mt Airy, Pa	1		39
Newton Theological Institution	4	Counted more than once	5
			34

LAW SCHOOL

RESIDENT GRADUATES

NAME	HOME RESIDENCE	PRESENT ADDRESS
Chang, Fu-yün, A B 1914, LL B 1917, <i>Chefoo, China,</i>		D 40
Sayre, Francis Bowes, A B (<i>Williams Coll</i>) 1909, LL.B (<i>Harvard Univ</i>) 1912,	<i>So Bethlehem, Pa</i>	39 Kirkland St
Shartel, Burke, A B. (<i>Univ of Michigan</i>) 1911, J D (<i>ibid</i>) 1913,	<i>Oklahoma City, Okla</i>	C't 37
Smider, Clifford Raymond, A B (<i>West Virginia Univ</i>) 1914, LL B (<i>ibid</i>) 1917,	<i>Morgantown, W Va.</i>	Claverly 50
Thompson, George Jarvis, S B (<i>Univ of Pennsylvania</i>) 1909, LL B (<i>Harvard Univ</i>) 1912,	<i>Waverley, 36 Sycamore St, Waverley</i>	

THIRD YEAR

Acheson, Dean Gooderham, A B (<i>Yale Univ</i>) 1915,	<i>Middletown, Conn</i>	3 Concord Ave
Adlow, Elijah, A.B. 1916,	<i>Roxbury,</i>	35 Elm Hill Park, Rox.
Amundson, Paul, A B. (<i>Lawrence Coll</i>) 1914,	<i>Black River Falls, Wis</i>	16 Prescott St
Andrews, Robert McCants, A.B. (<i>Howard Univ</i>) 1915,	<i>Sumter, S C.</i>	69 Dana St
Aronson, Philip, A B 1916,	<i>Roxbury,</i>	141 Homestead St, Rox.
Bailey, Henry Albion, Jr, PH B. (<i>Univ of Vermont</i>) 1914, A M (<i>ibid.</i>) 1915, <i>Winooski, Vt</i>		C't 47
Banser, John Csikasz, A B (<i>Syracuse Univ</i>) 1915,	<i>Nagy Barcza, Hungary,</i>	65 Hammond St.
Barnet, Philip, A B 1915,	<i>New Bedford,</i>	M. 45
Beehan, William Emmett, A.B. (<i>Brown Univ</i>) 1915,	<i>Providence, R. I.</i>	53 Oxford St
Brennan, Christopher Joseph, A B (<i>Holy Cross Coll</i>) 1915,	<i>Providence, R. I.</i>	1734 Cambridge St.
Brereton, Perce Hill, PH B (<i>Yale Univ</i>) 1915,	<i>Brookline, 145 University R'd, B'kline</i>	

Brown, Joseph Real, A B (<i>Yale Univ</i>) 1914,	Cleveland, O.	11 Trowbridge St
Burlew, Frederick Meinzer, PH B (<i>Bucknell Univ</i>) 1915,	Freneau, N J	3 Sumner R'd
Campbell, William Henry, Jr, A B (<i>Rutgers Coll</i>) 1915,	Ocean City, N J	53 Oxford St
Cohen, Paul Pincus, A B 1916,	Buffalo, N Y	W. 38
Cohn, Harold, A B 1915,	Nashville, Tenn	M 36
Corcoran, Edward John, A B (<i>Brown Univ</i>) 1915,	Newport, R. I.	Gnt. 2
Culohas, Nicholas Constantine, A B (<i>Princeton Univ</i>) 1915,	Trikorfa, Arcadia, Greece,	51 Brattle St.
Driver, Earl Spencer, A B (<i>Princeton Univ</i>) 1915,	Memphis, Tenn	7 Story St.
Feiga, Wilfred Beeber, A B 1916,	Worcester,	W 19
Feingold, Louis Stanley, A B (<i>Clark Coll</i>) 1915,	Worcester,	M 44
Felton, William Sidney, A B 1915,	Salem,	Go c33
Freedman, Max Nahum, A B 1915,	Detroit, Mich.	W 44
Freitas, William Russell, A B 1915,	New Bedford,	1734 Cambridge St.
Gillen, Frederick John, A B (<i>Holy Cross Coll</i>) 1915,	Lawrence,	15 Sumner R'd
Goodman, Harold, A B 1916,	Flint, Mich	W 47
Gorman, Harold Herancourt, A.B 1916,	Cincinnati, O	Russell 4
Handford, James LeRoy, A B. (<i>Rutgers Coll.</i>) 1915,	Vineland, N J.	53 Oxford St
Hanna, John Alford, A B (<i>Dartmouth Coll.</i>) 1914, A M. (<i>Leland Stanford Jr Univ</i>) 1915,	Auburn, Neb.	Go B12
Hill, Philip Adams, A B. 1916,	Dedham,	Dana 27
Holden, Robert Henry Johnston, A.B 1915,	Shirley,	Dana 25
Hough, Charles Pinckney, Jr, A.B (<i>Princeton Univ</i>) 1915,	Jefferson City, Mo	Westmorly 36
Hunter, Joseph Fisher, A.B (<i>Princeton Univ</i>) 1915,	Pittsburgh, Pa	44 Brattle St.
Husband, Archibald Brooke, A B (<i>Clark Coll.</i>) 1915,	Worcester,	M. 44
Jordan, Chester Bradley, A B (<i>Dartmouth Coll</i>) 1915,	Lancaster, N H.	51 Oxford St.

Kennedy, Frank Hunter, A B. (<i>Univ of North Carolina</i>) 1913,	Houstonville, N C	Gnt 8
Killiam, Paul, S B (<i>Univ of Pennsylvania</i>) 1908,	Pittsburgh, Pa	9 Shady Hill Square
Lafferty, James LeRoy, A B (<i>Dartmouth Coll</i>) 1915,	E. Orange, N J.	51 Oxford St.
Landau, Lloyd Harold, A B (<i>Univ of Wisconsin</i>) 1915,	Milwaukee, Wis	84 Prescott St.
Lane, Winthrop Bent, S B (<i>Nebraska Wesleyan Univ</i>) 1915,	Omaha, Neb	42 Kirkland St
LeFever, Earl Wilson, A B. (<i>Northwestern Univ</i>) 1913,	Mt Gilead, O	120 Mt Auburn St.
LeRoy, Howard Sanderson, A B (<i>Univ of Rochester</i>) 1914,	Olean, N Y	94 Prescott St
Liggett, Willis Henne, A B (<i>Ohio Wesleyan Univ</i>) 1915,	New Dover, O.	4 Trowbridge Pl
Lightner, Theodore Alexander, A B (<i>Yale Univ</i>) 1915,	Detroit, Mich.	4 Story St
Lowden, James Luther, A B 1914,	Melrose,	117 Upham St., Melrose
McAlpine, Claude Lorne, A B 1915,	Vancouver, B. C.	Go. D24
McDonough, William Albert, A B (<i>Dartmouth Coll</i>) 1915,	Springfield,	1734 Cambridge St
Mack, Edward Charles, Jr., A B 1915,	Salem,	M. 1
MacKay, Norman Ericksen, A B (<i>Dalhousie Univ</i>) 1913,	Halifax, N S	3 Linnaean St.
Macmillan, Roger William, PH.B. (<i>Union Coll</i>) 1915,	Schenectady, N Y	42 Kirkland St.
McNamara, Joseph Augustine, A B (<i>Holy Cross Coll</i>) 1915,	Fair Haven, Vt.	1734 Cambridge St.
Marston, William Moulton, A.B 1915,	Cambridge,	12 Remington St.
Merrill, Ruel Derby, S B (<i>Utah Agricultural Coll.</i>) 1915,	Richmond, Utah,	M. 3
Monnig, Hugo, Jr., A B. (<i>Univ. of Missouri</i>) 1915,	Jefferson City, Mo.	Westmorly 36
Peterson, Elmer Roswell, S B (<i>Carleton Coll</i>) 1914,	Pine City, Minn	94 Prescott St.
Polasky, David, A.B. (<i>Univ. of Michigan</i>) 1915,	Kalamazoo, Mich.	42 Kirkland St.
Pope, Aiken Augustus, A B (<i>Lincoln Univ.</i>) 1911, S.T.B. (<i>Yale Univ</i>) 1914,	Freeport, N. Y.	1560 Cambridge St

Pyle, Ralph Waldo, A B. (<i>Ohio State Univ</i>) 1915,	<i>New Lexington, O</i>	H'y 9
Quillian, C. Fletcher, PH B (<i>Emory Coll.</i>) 1903, A M (<i>Princeton Univ</i>) 1907,	<i>Los Angeles, Cal</i>	84 Prescott St.
Roberts, Melvin Philip, A B. (<i>Colby Coll.</i>) 1913,	<i>Caribou, Me</i>	13 Mellen St.
Rollins, John Fox, A B (<i>Bowdoin Coll.</i>) 1915,	<i>Bangor, Me</i>	13 Mellen St
Rutter, Thomas Renaud, LITT B. (<i>Princeton Univ</i>) 1913,	<i>Springfield, Ill</i>	56 Brattle St.
Schaefer, Stanley Winthrop, A B. (<i>Indiana Univ</i>) 1911,	<i>Richmond, Ind</i>	120 Mt Auburn St.
Spooner, Ralph Stevens, A.B. 1916,	<i>Cambridge,</i>	2 Holyoke St
Stern, Morris Iphriam, A B 1915,	<i>Boston,</i>	1727 Cambridge St.
Talamo, Joseph, A B (<i>Clark Univ</i>) 1914, A M (<i>ibid</i>) 1915,	<i>Worcester,</i>	M 44
Tanner, Kenneth James, PH B. (<i>Brown Univ</i>) 1912,	<i>Providence, R I.</i>	Claverly 43
Tayntor, Clark Olds, A B (<i>Yale Univ</i>) 1915,	<i>Erie, Pa</i>	40 Kirkland St
Tomajan, John Sarkis, A.B 1914,	<i>Worcester,</i>	40 Kirkland St
Tonkonow, Benjamin, A.B. (<i>Tufts Coll.</i>) 1915,	<i>Meriden, Conn</i>	19 Allen St , Boston
Vorhaus, Melvin David, A B 1916,	<i>New York, N Y</i>	W 44
Walkup, Charles Sumner, Jr, A B. 1915,	<i>Roxbury,</i>	8 Crawford St , Rox.
Whitney, Cecil Elwyn, A.B. (<i>Dartmouth Coll</i>) 1915,	<i>Port Huron, Mich.</i>	473 Broadway
Wolington, William Thomas, 'A.B. (<i>Univ. of Nebraska</i>) 1913,	<i>Hay Springs, Neb</i>	888 Mass. Ave.
Workman, Samuel Henry, A B (<i>Brown Univ.</i>) 1915,	<i>Providence, R I</i>	1750 Cambridge St.

SECOND YEAR

Albizu y Campos, Pedro, A B. 1916,	<i>Ponce, Porto Rico,</i>	34 Mt. Auburn St.
Athas, Pan Constantine, A.B (<i>Ohio Univ.</i>) 1915,	<i>Gloucester,</i>	36 Trowbridge St.
Baessler, Carl Harry, A.B. 1916,	<i>Holyoke,</i>	1716 Cambridge St.
Bernkopf, Max Eisman, A B (<i>Dartmouth Coll.</i>) 1916,	<i>Providence, R I</i>	1750 Cambridge St.

- Brown, Charles Foster, PH.B. (*Union Coll.*) 1916, *Schenectady, N. Y.* Craigie Circle
- Brown, Larned Fridley, A B. (*Yale Univ.*) 1915, *Sioux City, Ia* 48 Brattle St.
- Carey, Albert Bernard, A B. 1916, *Dorchester,* 393 Adams St, Dor.
- Chrisman, Charles Benham, A B. 1916, *Orionville, Minn.* M. 34
- Coffey, Edward Aloysius, A B (*Boston Coll.*) 1916, *Salem,* 13 Union St, Salem
- Cook, William Riley, A B. (*Cornell Coll*) 1913, *Clarksville, Ia.* 16 Prescott St.
- Davis, Myron Edwards, A B. (*Oberlin Coll.*) 1916, *Niles, O* 31 Everett St
- Dodson, Adams, A.B. (*Yale Univ.*) 1916, *Bethlehem, Pa.* T. 59
- Downey, William Stephen, A B (*Boston Coll*) 1916, *New Bedford,* 45 E. Newton St, Boston
- Edens, Rodrick Murchison, A B. (*Wofford Coll*) 1916, *Cho, S. C* 15 Sumner R'd
- Efird, Oscar Ogburn, A B (*Roanoke Coll*) 1912, A.M (*Princeton Univ*) 1913, *Winston Salem, N. C.* 31 Everett St.
- Farlee, Horace Janney, PH B (*Brown Univ*) 1916, *Lambertville, N. J.* 1746 Cambridge St.
- Fathschild, Irvin Henry, A B (*Northwestern Univ.*) 1916, *Chicago, Ill* 67 Hammond St.
- Fisher, Arthur, A B. 1915, *Chicago, Ill* 12 Ash St Pl.
- Fowler, James Alexander, Jr., A B (*Univ of Tennessee*) 1916, *Knoxville, Tenn* D. 41
- Frontz, Clinton Walter, A B. (*Princeton Univ*) 1916, *Hughesville, Pa.* 6 Shepard St.
- Gilbert, Wilfred Charles, A B. (*Dartmouth Coll*) 1914, *Dorset, Vt* 1593 Mass. Ave.
- Ginsburg, Maynard L., A B (*Clark Coll*) 1916, *Dorchester,* Russell 3
- Graham, William Augustus, A.B. (*Brown Univ*) 1916, *Providence, R. I.* 1743 Cambridge St
- Hall, Frank Herbert, A B. (*Colorado Coll.*) 1916, *Colorado Springs, Colo.* 1716 Cambridge St.
- Hayward, Walter Sumner, A.B. and A.M. (*Brown Univ*) 1916, *Brookline,* 219 Harvard St., B'kline

Holtgreve, Paul Nace, A B. (<i>Carthage Coll</i>) 1916,	<i>Washington, Ill</i>	M 60
Hoppe, Henry Herman, A B (<i>Univ of Cincinnati</i>) 1916,	<i>Cincinnati, O</i>	Claverly 39
Horwitz, Charles Kalmen, S B 1915,	<i>Chicago, Ill</i>	366 Harvard St
Hudson, David Ernest, A B (<i>Univ of Missouri</i>) 1915,	<i>Cambridge,</i>	20 Quincy St
Hudson, Hinton Gardner, A B (<i>Univ of North Carolina</i>) 1916,	<i>Smithfield, N C</i>	W 27
Kaplan, Bernard, A B 1916,	<i>Malden,</i>	W 21
Kaplan, Saul Louis, A B 1916,	<i>Dorchester,</i>	26 Harlem St., Dor.
Klein, Maurice, A B 1916,	<i>Chelsea,</i>	46 Tudor St., Chelsea
Knapp, Farwell, A B (<i>Yale Univ</i>) 1916,	<i>Hartford, Conn</i>	44 Brattle St
Kreger, Henry Ludwig Flood, A B 1916,	<i>Fairfield, Me</i>	Westmorly 23
Kunkel, Daniel Herr, A B (<i>Franklin and Marshall Coll</i>) 1916,	<i>Harrisburg, Pa</i>	44 Brattle St
Lark, Hoyt Webb, A B (<i>Grinnell Coll</i>) 1915,	<i>Onawa, Ia</i>	42 Kirkland St.
Lazarus, Isidor, A B (<i>Coll of the City of New York</i>) 1911,	<i>New York, N Y</i>	D 12
Levine, Victor, A B 1915,	<i>Dorchester,</i>	W. 19
Levitt, Albert, B D (<i>Meadville Theol School</i>) 1911, A B (<i>Columbia Univ</i>) 1913,	<i>Boston,</i>	25 Beacon St., Boston
Lewis, Arthur Robert, A B (<i>Rutgers Coll</i>) 1916,	<i>Newark, N J</i>	49 Oxford St.
Leydic, Kenneth Loucks, A B. (<i>Washington and Jefferson Coll</i>) 1916,	<i>Tarentum, Pa</i>	44 Brattle St
Lourie, Arthur Benjamin, A B. 1917,	<i>Dorchester,</i>	50 Bradshaw St., Dor
Ludington, George Franklin, A B. (<i>Johns Hopkins Univ</i>) 1916,	<i>Baltimore, Md.</i>	42 Kirkland St.
McFall, Dumas Van Deren, A B (<i>Univ of Illinois</i>) 1916,	<i>Mattoon, Ill.</i>	51 Brattle St
Mason, Harry, A B (<i>Clark Coll</i>) 1916,	<i>Marlboro,</i>	14 Newton St., Marlboro
Melosh, Henry Jay, LITT B (<i>Princeton Univ</i>) 1916,	<i>Jersey City, N. J</i>	Gnt. 6
Murphy, Clifton, A B (<i>Davidson Coll.</i>) 1913,	<i>Georgetown, S C.</i>	42 Kirkland St.
Osborne, George Edward, A B (<i>Univ. of California</i>) 1916,	<i>Berkeley, Cal</i>	T. 5

Overstreet, Edward Kinchley, Jr., A B. (<i>Univ. of Georgia</i>) 1915,	<i>Sylvania, Ga</i>	3 Sumner R'd
Parsons, Hayward Treat, A B (<i>Bowdoin Coll.</i>) 1916,	<i>Cambridge,</i>	11 Everett St
Perlman, Solomon Phillips, LITT B (<i>Princeton Univ</i>) 1916,	<i>Trenton, N. J</i>	W 14
Platt, Arthur Durham, A B (<i>Yale Univ</i>) 1916,	<i>Portland, Ore.</i>	16 Hilliard St.
Porter, William Arthur, A B (<i>Wabash Coll</i>) 1904,	<i>Crawfordsville, Ind.</i>	7 Linnaean St.
Quinney, Seymour Joseph, S B. (<i>Utah Agricultural Coll.</i>) 1916,	<i>Logan, Utah,</i>	Strathcona 601
Radovsky, Hymen William, A B 1917,	<i>Fall River,</i>	W 14
Reich, Herman Fredrick, A B (<i>Bucknell Univ</i>) 1917,	<i>Sunbury, Pa</i>	M 50
Reindel, Harold F, A B (<i>Western Reserve Univ</i>) 1916,	<i>E Cleveland, O</i>	G. 6
Richards, Thomas Lohr, A B (<i>Wooster Coll</i>) 1916,	<i>Germantown, Md</i>	Claverly 47
Riesenberg, Alphonse Gerard, A B (<i>Univ of Cincinnati</i>) 1916,	<i>Newport, Ky</i>	Gnt 1
Ringhoffer, Herbert, A B. (<i>Whitman Coll.</i>) 1916,	<i>Walla Walla, Wash.</i>	10 Sumner R'd
Robinson, James Jaquess, A.B. (<i>Indiana Univ</i>) 1914,	<i>Princeton, Ind.</i>	3 Sumner R'd
Rothbaum, Benjamin, A B (<i>Univ of Missouri</i>) 1916,	<i>St. Joseph, Mo</i>	50 Irving St.
Shipman, George Marshall, Jr, S B (<i>Princeton Univ</i>) 1916,	<i>Belvidere, N. J.</i>	44 Brattle St
Sidis, William James, A B. 1914,	<i>Cambridge,</i>	3 Concord Ave.
Sonnabend, Abraham Martin, A B 1917,	<i>Roxbury,</i>	94 Hutchings St., Rox
Spring, Walter Lee, A B (<i>Univ. of Colorado</i>) 1916,	<i>Boulder, Colo.</i>	467 Broadway
Stanley, Dean Hill, A B. 1916,	<i>Loveland, O.</i>	M. 34
Sullivan, Francis William, A B. (<i>Georgetown Univ.</i>) 1916,	<i>Cape Elizabeth, Me</i>	26 Irving St
Tallman, William Bestor, A.B. (<i>Univ. of Michigan</i>) 1911,	<i>Osceola, Ia.</i>	33 Mellen St.

Terry, Carl Anthony, A B (<i>Brown Univ.</i>) 1915,	Fall River,	3 Sumner R'd
Thorp, Charles Monroe, Jr., A B (<i>Cornell Univ.</i>) 1916,	Pittsburgh, Pa	Fairfax 43
Threlfall, John Wesley, A B (<i>Bowdoin Coll.</i>) 1915,	Edgartown,	96 Prescott St
Trpician, Louis Nicholas, S B (<i>Buchnell Univ.</i>) 1916,	Atlantic City, N J	57A Rice St.
Tuttle, Harlow, A B (<i>Cornell Univ.</i>) 1916,	Pine Plains, N Y	Fairfax 43
Ueland, Sigurd, A B (<i>Univ of Minnesota</i>) 1916,	Minneapolis, Minn	4 Story St
Vaccaro, John Pascal, A B 1916,	So Boston, 545 E Third St,	So Boston
Veach, Thomas F., A B (<i>Wabash Coll.</i>) 1916,	Winchester, Ind	120 Mt Auburn St
Wasser, George, A B 1917,	Pittsburgh, Pa	W. 47
Weeks, Willie Person Mangum, A B (<i>Univ of North Carolina</i>) 1915,	Washington, D C	Russell 24
Welch, Murray De Witt, A B (<i>Grinnell Coll.</i>) 1916,	Des Moines, Ia	42 Kirkland St.
Wentworth, Ralph Preston, A B 1915,	Newton,	P S. A13
White, James Louis, A.B (<i>Univ of Utah</i>) 1916,	Salt Lake City, Utah,	T. 39
Wolfe, Carver William, A B. (<i>Oberlin Coll.</i>) 1916,	Princeton, Ill	21 Ellsworth Ave
Worthington, Morrison, A B. (<i>Illinois Coll.</i>) 1915,	Jacksonville, Ill	D 32
Wright, Edward Pulteney, A B (<i>Univ of Michigan</i>) 1916,	Detroit, Mich	Lawrence 7
Young, Clarence James, A.B (<i>Reed Coll.</i>) 1916,	Portland, Ore	3 Sumner R'd
Yu, Wen Tsan, PH.B. (<i>Univ of Chicago</i>) 1916,	Canton, China,	M. 23
Zaldo, Carlos de, Jr, L S B (<i>Collegiate Institute of Havana</i>) 1916,	Washington, D C	M. 33

FIRST YEAR

Adams, Willam Joseph, A B 1918 (1917),	<i>Wheelock, No Dak</i>	Dana 25
Albert, Simon,*	<i>Malden,</i>	22 Grape St, Malden
Allen, Frank Field, A M (Univ of <i>North Carolina</i>) 1917,	<i>Hickory, N C</i>	3 Sumner R'd
Aymé-Martin, Pierre, A.B (Univ of <i>Grenoble</i>) 1910, LICENCIÉ-EN-DROIT (<i>Law School of Paris</i>) 1913,	<i>Montélimar-Drôme, France,</i>	S 24
Baker, Harrison Rich, A B (<i>Occidental Coll</i>) 1917, .	<i>Pasadena, Cal</i>	40 Kirkland St.
Benedict, Edward Benson, A B. 1918 (1917),	<i>Cambridge,</i>	Meadow Way
Berns, Julius Isidor, A B 1918 (1917),	<i>Dorchester,</i>	T 37
Blalock, John William, A B (<i>Oberlin Coll</i>) 1917,	<i>Valdosta, Ga</i>	8 Story St
Brantley, William Henderson, Jr, S B (<i>Univ of Alabama</i>) 1917,	<i>Troy, Ala</i>	Drayton 5
Buckley, David Augustine, Jr, A.B (<i>Yale Univ</i>) 1917,	<i>Hartford, Conn</i>	16 Church St.
Butler, Chauncey Monroc, A B 1917,	<i>Egypt, Me</i>	Fairfax 12
Carro, Leon Julius, A B (<i>Tufts Coll</i>) 1917,	<i>Beachmont,</i>	Russell 8
Chiu, Vermier Yantak, PH B (<i>Univ of Chicago</i>) 1915, A M (<i>Columbia Univ</i>) 1916,	<i>Hongkong, China,</i>	18 Mellen St
Clemens, Ernest William, A.B (<i>Univ of Texas</i>) 1917,	<i>Austin, Texas,</i>	C't 35
Connolly, John Joseph, A B (<i>Boston Coll</i>) 1917,	<i>Brighton,</i>	46 Tremont St, Brighton
Cruse, Belford Myrtetus, S B (<i>Penn- sylvania State Coll</i>) 1915,	<i>Dorchester, N J.</i>	48 Irving St.
Davis, Bertie Witley Horsford, A B 1917,	<i>St John's, Antigua, B. W. I.</i>	19 Dunster St.
Davis, Joseph, A B 1915,	<i>Pueblo, Colo</i>	T. 50
Dix, Floyd Ellmore, A B. (<i>De Pauw Univ</i>) 1916,	<i>Terre Haute, Ind</i>	Claverly 43

* Has completed work in Harvard College for the Bachelor's degree.

Dohmen, Franz Joseph, LITT B (<i>Univ of Texas</i>) 1898, PH D (<i>Univ of Greifswald</i>) 1905,	Cambridge,	21 Walker St.
Dorwin, Oscar John, PH B (<i>Notre Dame Univ</i>) 1917,	Minocqua, Wis	31 Everett St.
Earle, Thomas, Jr, A B (<i>Williams Coll</i>) 1917,	Bethlehem, Pa	W. 16
Eissler, Frederick, A B (<i>Univ of Pennsylvania</i>) 1912,	Philadelphia, Pa	820 Mass Ave
Fildew, Stanley Lyon, A B (<i>Univ of Michigan</i>) 1917,	Pontiac, Mich	Claverly 50
Gale, Alfred Warren, A B. (<i>Williams Coll</i>) 1914,	Troy, N Y	48 Brattle St
Gerber, Louis, A B (<i>Colgate Univ</i>) 1917,	Tuckerton, N J	71 Hammond St.
Goldstein, Harry Phillip,*	Salem,	17 Front St, Salem
Gottlieb, Leo, PH B (<i>Yale Univ</i>) 1915,	So Norwalk, Conn	D 9
Groene, Everett Kenneth, A.B (<i>Univ of Kansas</i>) 1917,	Kansas City, Kan	42 Kirkland St
Halpern, Isaac Bernard, A B (<i>Coll of the City of New York</i>) 1916,	New York, N Y	65 Hammond St
Hardesty, Fred Archibald, A B (<i>Univ. of Oregon</i>) 1915,	Astoria, Ore	16 Church St
Hawkins, Aubrey Leslie, A B. (<i>Indiana Univ</i>) 1909, A M (<i>ibid.</i>) 1911,	Russiaville, Ind	Gnt 5
Herbert, Fred Bross, A B (<i>Northwestern Univ</i>) 1917,	Murphysboro, Ill	7½ Centre St
Hoffman, Harry,*	Boston,	125 Leverett St, Boston
Holt, Harold Wright, A B (<i>Dartmouth Coll</i>) 1917,	Arlington,	362 Mass Ave, Arlington
Horan, Francis Joseph, A B (<i>Holy Cross Coll.</i>) 1917,	Denver, Colo	27 Ware St.
Imbrie, Boyd Vincent,*	Pittsburgh, Pa.	12 Story St
Jewell, Harry Lee, A B (<i>Iowa State Teachers' Coll</i>) 1916,	Cedar Falls, Ia.	1 Langdon Sq.
Joffe, Louis, S B (<i>Coll of the City of New York</i>) 1917,	New York, N. Y.	W. 21
Johnston, Oswald Leon, S B and S M (<i>Univ of Virginia</i>) 1917,	University, Va	10 Dana St

* Has completed work in Harvard College for the Bachelor's degree

Kingsley, Chester Ward, B E (<i>Lehigh Univ</i>) 1917,	Cambridge,	1572 Mass Ave
Laporte, Cloyd, A B 1916,	St Louis, Mo	115 Mt Auburn St
Lawson, Allen, A B 1917,	E Braintree, 387 Commercial St,	E Braintree
Lei, Cheung Chuan, S B (<i>Wesleyan Univ, Conn</i>) 1917,	Canton, China,	M 23
Levin, Isador Sandler,*	Fall River,	M. 10
MacCallum, Harold Archibald, S B (<i>Univ of Rochester</i>) 1917,	Rochester, N. Y	1 Langdon Sq
McEntire, Lloyd, C E (<i>Lehigh Univ</i>) 1909,	Frenchtown, N J	1 Langdon Sq.
McGrath, Henry Chester, A.B (<i>St Thomas Coll</i>) 1916, A M (<i>Catholic Univ of America</i>) 1917,	Scranton, Pa	46 Mt Auburn St.
Marks, Albert Elmer, A B. 1917,	Youngstown, O.	M 45
Maxwell, Irving William, A.B (<i>Yale Univ</i>) 1917,	Portland, Me	W. 34
Moore, James Louis, A B 1914, A M 1915,	Emaus, Pa.	W 35
Moore, Myron Alan, A B. (<i>Williams Coll</i>) 1917,	Gardner,	7 Johnson Ave, Winthrop
Morrow, Paul Reed, A B (<i>West Virginia Univ.</i>) 1909,	Huntington, W Va	51 Sacramento St.
Mulcahy, John Joseph, A B (<i>Boston Coll</i>) 1917,	Dorchester,	12 East St., Dor
Murphy, Michael Edwin, PH B (<i>Creighton Univ</i>) 1917,	Stewartville, Minn	467 Broadway
Murray, Walter Augustine, A B 1917,	Roxbury,	99 Regent St., Rox
Needham, Stanley Francis, A B (<i>Univ of Maine</i>) 1917,	Old Town, Me.	467 Broadway
Oppenheimer, Reuben, A B (<i>Johns Hopkins Univ</i>) 1917,	Baltimore, Md.	W. 39
Palmer, William Preston,*	Boston,	H. 32
Pardee, Frank Herbert, A.B (<i>Hiram Coll</i>) 1916,	Windham, O	H. 2
Patton, James Ralph, Jr., A.B. (<i>Univ. of North Carolina</i>) 1917,	Durham, N. C.	3 Sumner R'd
Pelletier, Henri Hérigault, B -ÈS-L (<i>Montreal Coll</i>) 1904,	Montreal, Can	5 Linden St.
Perry, Ely Jackson, A.B (<i>Univ. of North Carolina</i>) 1917,	Kinston, N. C.	3 Sumner R'd

* Has completed work in Harvard College for the Bachelor's degree.

Petrocelli, Peter Nicholas, A B. (<i>Boston Coll</i>) 1917,	Roxbury,	3 Fremont Ave, Rox
Pomerleau, Peter Liniere John, A B (<i>St Anselm's Coll</i>) 1912,	Lawrence,	4 Farley St, Lawrence
Powel, Samuel Franklin, Jr A B (<i>Maryville Coll</i>) 1915,	Rogersville, Tenn	44 Kirkland St
Quisenberry, John Thomas, A B (<i>Kentucky Wesleyan Coll</i>) 1917,	Hedges, Ky	Gnt 1
Rapoport, Julius Martin, A B (<i>Lehigh Univ</i>) 1917,	Allentown, Pa	3 Sumner R'd
Reynolds, Irving, A B. (<i>Delaware Coll.</i>) 1917,	New York, N Y	H 32
Rome, Charles Abraham, A B 1917,	E Boston,	Claverly 57
Rosenberg, Morris, A B 1918 (1917),	Roxbury,	68 Elm Hill Ave, Rox
Rudner, Louis, A B. 1917,	Trenton, N J	Claverly 57
Sayre, Arthur Alan, A B 1917,	Athens, O	D 7
Schiller, Herbert Maurice, A B (<i>Univ of Utah</i>) 1916,	Salt Lake City, Utah,	T 39
Schwab, Paul Edward, A B (<i>Pomona Coll</i>) 1917,	Ontario, Cal.	1 Langdon Sq
Silverman, Willham Maurice,*	Cambridge,	75 Fayette St
Simon, Arthur Emil, A B (<i>Univ of Washington</i>) 1917,	Spokane, Wash	469 Broadway
Simonhoff, Harry, A B (<i>Coll. of Charleston</i>) 1917,	Charleston, S C	23 Mellen St.
Skinner, Frank Paine, A B (<i>Dartmouth Coll</i>) 1916,	Windsor, Vt	1673 Cambridge St
Snodgrass, David Ellington, A B 1917,	Berkeley, Cal	61 Oxford St
Spiriti, Manlio Humbert, A B. (<i>Syracuse Univ.</i>) 1916, A M. (<i>ibid.</i>) 1917,	Rochester, N Y	40 Prentiss St
Stegemann, Otto Charles, A B (<i>New York Univ</i>) 1917,	W Hoboken, N J.	42 Kirkland St.
Stewart, Ernest Dale, A B (<i>Indiana Univ</i>) 1916, A M (<i>ibid</i>) 1917,	Dupont, Ind	41 Wendell St
Strauch, Benjamin,*	Memphis, Tenn	H 6
Summers, Frank Martin, A B (<i>Indiana Univ.</i>) 1915,	Indianapolis, Ind	40 Holyoke St.
Tay, Kim Poh, A B (<i>Central Wesleyan Coll.</i>) 1917,	Phra Pra Daeng, Siam,	475 Broadway

* Has completed work in Harvard College for the Bachelor's degree

Thompson, Ernest Wright, A B (<i>DePauw Univ</i>) 1917,	Frankfort, Ind	74 Oxford St
Tuttle, Joseph Walton, Jr., A B. (<i>Bowdoin Coll</i>) 1917,	Saxonville,	16 Church St
Tyler, Roger Browne, A B 1917,	Dorchester,	24 Dakota St, Dor.
Vest, George Graham, A B (<i>Princeton Univ</i>) 1917,	Centreville, Md	31 Everett St
Vigant, Napoleon Joseph, A.B (<i>Boston Coll</i>) 1917,	Lowell,	48 Riverside St., Lowell
Waters, Theodore Cooke, A B (<i>Washington and Lee Univ</i>) 1917,	Baltimore, Md	31 Everett St.
Williams, Lon Taylor, A B (<i>Carson-Newman Coll</i>) 1917,	Clinton, Tenn	31 Wendell St
Wilson, Butler Roland, Jr, A B 1917,	Boston,	13 Rutland Sq, Boston
Womack, Egbert, A B (<i>Univ of Virginia</i>) 1917,	Suffolk, Va	Gnt 7
Zimmerman, John Luther, Jr, A B (<i>Wittenberg Coll</i>) 1916,	Springfield, O	W 16

UNCLASSIFIED STUDENTS

Bardwell, Curtis Field, A B. 1915,	Hatfield,	3 Sumner R'd
Blais, Henry John, Jr, A B (<i>Holy Cross Coll</i>) 1915,	Pawtucket, R I	1734 Cambridge St.
Butler, John Benjamin, Jr, A B (<i>Dartmouth Coll</i>) 1916,	Fort Dodge, Ia	4 Story St.
Corcoran, Edmond, A B (<i>Brown Univ</i>) 1916,	No Providence, R. I	53 Oxford St.
Davis, Benjamin Franklin, Jr, A B (<i>Franklin and Marshall Coll</i>) 1916,	Lancaster, Pa	44 Brattle St
Dell, Edward Henry, LL B (<i>Cincinnati Law School</i>) 1917,	Middletown, O.	58 Hammond St.
Fernald, Fred Colburn, A B 1915,	Omaha, Neb	103 Mt. Vernon St, Boston
Foley, Roland Ray, PH B and S B (<i>Ohio Northern Univ</i>) 1912,	Santa Ana, Cal	Dana 37
Foster, Arthur Key, A B (<i>Univ of Alabama</i>) 1916,	Troy, Ala	Drayton 5
Froom, Alvin Minor, A B. (<i>McMaster Univ</i>) 1915, A M (<i>ibid</i>) 1916,	Regina, Saskatchewan,	Dana 42
Harada, Shikataro, LL B (<i>Univ of Kwansai</i>) 1917,	Osaka, Japan,	473 Broadway

Hill, Preston Buxton, S B (<i>Univ of Pennsylvania</i>) 1916,	Cambridge,	51 Brattle St
Hines, Francis Russell, A B (<i>Boston Univ</i>) 1915,	Waltham, 155 Newton St, Waltham	
Hinkel, Frederick Andrew, A B (<i>Miami Univ</i>) 1913,	Morning Sun, O	30½ Mellen St
Johnston, Russell Ziebell, A B (<i>Trinity Coll</i>) 1916,	Hartford, Conn	C't 7
Lynch, John, Gr, <i>Clongowes Wood Coll, Ireland</i> , 1908,	Denver, Colo	25 Trowbridge St
Masterson, William Edward, A B (<i>Univ of Texas</i>) 1915, A M (<i>Harvard Univ</i>) 1917,	Beaumont, Tex	Sd B32
Matienzo, Manuel, A B (<i>Wesleyan Univ, Conn</i>) 1914,	San Juan, Porto Rico,	M 51
Meredith, Otis, A B. (<i>Univ of Texas</i>) 1916,	Houston, Tex	C't 35
Owen, Russell Harry, A B (<i>Indiana Univ</i>) 1913, A M (<i>Columbia Univ</i>) 1916,	Sheridan, Ind	49 Oxford St
Quinones, Pedro Guadalupe, S B (<i>Univ of Pennsylvania</i>) 1916,	Vieques, Porto Rico,	14 Oxford St
Righter, Richard Scott, A B (<i>Washburn Coll</i>) 1916,	Topeka, Kan	C't 32
Rose, Vandling du Bois, PH B (<i>Yale Univ</i>) 1915,	Scranton, Pa	39 Kirkland St.
Russell, Emmet, A B 1914,	Kansas City, Mo	47 Wendell St.
Safely, Charles Holroyd, LL B (<i>Iowa State Univ</i>) 1917,	Cedar Rapids, Ia	51 Strathmore R'd, B'kline
Schlaffhorst, Herbert William, A B 1915,	Cambridge,	96 Ellery St.
Shepherd, Joseph Henry, LITT B (<i>Princeton Univ</i>) 1916,	Memphis, Tenn	Drayton 6
Towers, Charles Daughtry, LITT B (<i>Princeton Univ</i>) 1916,	Jacksonville, Fla	3 Sumner R'd
Trott, Raymond Harris, A B (<i>Dartmouth Coll</i>) 1914,	Bath, Me	M 40
White, Alfred Frazier, A B (<i>Lincoln Univ</i>) 1915,	Philadelphia, Pa.	1560 Cambridge St.
Williams, Virginius Faison, A B (<i>Univ of North Carolina</i>) 1917,	Faison, N C	1746 Cambridge St

SUMMARY

RESIDENT GRADUATE STUDENTS	5
THIRD-YEAR STUDENTS	75
SECOND-YEAR STUDENTS	89
FIRST-YEAR STUDENTS	96
UNCLASSIFIED STUDENTS	31
TOTAL	296
GRADUATES OF COLLEGES (see table below)	293
GRADUATES OF LAW SCHOOLS ONLY	3
TOTAL	296

COLLEGES REPRESENTED

University of Alabama	2	University of Illinois	1
Boston College	6	Indiana University	6
Boston University	1	Iowa State Teachers' College	1
Bowdoin College	4	Johns Hopkins University	2
Brown University	9	University of Kansas	1
Bucknell University	3	Kentucky Wesleyan College	1
University of California	1	Lawrence College	1
Carleton College	1	Lehigh University	3
Carson-Newman College	1	Lincoln University	2
Carthage College	1	McMaster University	1
Catholic University of America	1	University of Maine	1
Central Wesleyan College	1	Maryville College	1
College of Charleston	1	Miami University	1
University of Chicago	2	University of Michigan	5
University of Cincinnati	2	University of Minnesota	1
College of the City of New York	3	University of Missouri	3
Clark College	5	Montreal College	1
Clongowes Wood Coll., Ireland	1	University of Nebraska	1
Colby College	1	Nebraska Wesleyan University	1
Colgate University	1	New York University	1
Colorado College	1	University of North Carolina	7
University of Colorado	1	Northwestern University	3
Columbia University	1	Notre Dame University	1
Cornell College	1	Oberlin College	3
Cornell University	2	Occidental College	1
Creighton University	1	Ohio Northern University	1
Dalhousie University	1	Ohio State University	2
Dartmouth College	11	Ohio Wesleyan University	1
Davidson College	1	University of Oregon	1
Delaware College	1	University of Pennsylvania	5
DePauw University	2	Pennsylvania State College	1
Emory College	1	Pomona College	1
Fordham University	1	Princeton University	11
Franklin and Marshall College	2	Reed College	1
University of Georgia	1	Roanoke College	1
Georgetown University	1	University of Rochester	2
University of Grenoble	1	Rutgers College	3
Grinnell College	2	St. Anselm's College	1
Harvard University	72	Syracuse University	2
Collegiate Institute of Havana	1	University of Tennessee	1
Hiram College	1	University of Texas	4
Holy Cross College	5	Trinity College (Conn.)	1
Howard University	1	Tufts College	2
Illinois College	1	Union College	2

COLLEGES REPRESENTED

193

Utah Agricultural College	2	Williams College	4
University of Utah	2	University of Wisconsin	1
University of Vermont	1	Wittenberg College	1
University of Virginia	2	Wofford College	1
Wabash College	2	Wooster University	1
Washburn College	1	Yale University	13
University of Washington	1		<hr/>
Washington and Jefferson College	1		298
Washington and Lee University	1	Counted more than once	1
Wesleyan University (Conn)	2		<hr/>
Western Reserve University	1	Total Number College Graduates	292
West Virginia University	2	Number of Colleges Represented	107
Whitman College	1		<hr/>

THE MEDICAL SCHOOL

CANDIDATES FOR THE DEGREE OF DOCTOR OF PUBLIC HEALTH

Bronfenbrenner, Jacques, PH D (<i>Columbia Univ</i>)	
1912,	Boston
Weinzirl, John, S B (<i>Univ of Wisconsin</i>) 1896,	
S M (<i>ibid</i>) 1900, PH D (<i>ibid</i>) 1906,	Eau Galle, Wis

FOURTH CLASS

Anderson, Frank William, S B (<i>Dartmouth Coll</i>)	
1908,	Roslindale
Angevine, Robert Winsper, S B (<i>Univ of Rochester</i>)	
1915,	Rochester, N Y
Atwater, Reginald Myers, A B (<i>Colorado Coll</i>)	
1914,	Colorado Springs, Colo
Badger, Omar Perley, A B (<i>Bowdoin Coll</i>) 1914,	Skowhegan, Me.
Beavers, Benjamin Franklin, A B (<i>Wabash Coll</i>) 1913,	Decatur, Ind
Blackway, Charles Everett, A B (<i>Brown Univ</i>) 1914,	Fall River
Brett, Apley Leonel, A B (<i>Brown Univ</i>) 1910,	So Brantree
Bullard, Carleton Wheeler, S B 1914,	Frammingham
Burgess, Barry Hovey, A B (<i>Acadia Coll</i>) 1912, A M	
(<i>Harvard Univ</i>) 1914,	Sheffield Mills Station, N. S
Callanan, Francis Jervois, A B 1914,	Boston
Cameron, Owen John, A B. (<i>St Francis Xavier's Coll.</i>)	
1914,	Antigonish, N S
Cohen, Hyman, A B 1915,	Dorchester
Colby, Fletcher Hatch, S B (<i>Dartmouth Coll</i>) 1914,	Boston
Curtis, Robert Dudley, A B 1914,	Dorchester
Daland, Ernest Merrill, A B (<i>Brown Univ</i>) 1912,	Wakefield
Donald, Douglas, S B (<i>Univ. of Michigan</i>) 1916,	Detroit, Mich
Drake, Wallace Horne, S B (<i>Dartmouth Coll</i>) 1914,	No Weymouth
Edgelow, Arthur Ford Geddes, A. B (<i>Trinity Coll, Conn</i>)	
1914,	Catskill, N Y.
Ellis, Ralph Warner, A B. (<i>Clark Univ</i>) 1914,	Worcester
English, Hubert Morton, A B (<i>Univ of Illinois</i>) 1914,	Marshall, Ill
Finck, Harry Paul, A B 1915,	E Boston

- Freeman, Mervin, A B (*De Pauw Univ*) 1913, Sullivan, Ind
 Fremont-Smith, Maurice, A B. 1914 (1913), Bar Harbor, Me
 *Gabe, William Edwin, Indianapolis, Ind
 Gabriels, Joseph August Camile, A B (*Holy Cross Coll*) 1914, Watervliet, N Y
 Gallupe, Harold Quimby, S B (*Tufts Coll*) 1911, Dorchester
 Gear, Patrick Edward, A B (*Dartmouth Coll*) 1915, Holyoke
 Goulding, Arthur Melville, A B (*Univ of Toronto*) 1910, Toronto, Ont, Can
 Gray, Ellis Barksdale, A B (*Trinity Coll, N C*) 1914, Gray Court, S. C
 Gunby, Paul Clark, A B 1914, Sherman, Tex
 Harris, Francis Sterling, PH B (*Yale Univ*) 1914, Cambridge
 Havens, Leon Clive A B (*Colorado Coll*) 1913, A M Colorado Springs, Colo
 (*ibid*) 1914,
 Henderson, Charles Smith, A B (*St Francis Xavier's Coll*) 1914, Parrsboro, N S
 Holmes, Fred Gooding, A B (*Univ of California*) 1915, Phoenix, Ariz
 Hopkins, Frederick Sherman, A B 1915, Springfield
 Howe, Glover Elbridge, S B (*Mass Agricultural Coll*) 1913, Marlboro
 Howes, Seth Francis Harrison, A B (*Colby Coll*) 1914, Southboro
 Hun, Henry Hand, PH B (*Yale Univ*) 1914, Albany, N Y
 Hyman, Albert Solomon, A B 1915, Dorchester
 Johnson, Ralph Montgomery, A B (*Cornell Univ*) 1914, Boston
 Kebabjian, Hrant Setiag, A B (*Anatolia Coll*) 1913, Angora, Turkey in Asia
 King, Donald Storrs, A B (*Oberlin Coll*) 1912, Brookline
 Kuder, Joseph Matthew, A B 1914, Lehigh, Pa
 Lande, Herman, A B (*Yale Univ*) 1915, Elmira, N Y
 Lincoln, James Rufus, A B 1914 (1915), Wareham
 Lord, Robert Mendon, A B (*Brown Univ*) 1914, Providence, R. I
 McClellan, Robert Reyburn, S B (*Princeton Univ*) 1914, Xenia, O
 McGowan, Daniel Joseph, Jr, A B. (*Holy Cross Coll*) 1913, Newport, R. I.
 McIntosh, Rustin, A B. 1914, New York, N Y.
 McKittrick, Leland Sterling, S B (*Univ of Wisconsin*) 1915, Eau Claire, Wis.
 McLaughlin, Edward Aloysius, A B (*Brown Univ*) 1914, Providence, R. I.
 *McNamara, Frank Patrick, Fitchburg
 Marvin, Harold Myers, A B (*Davidson Coll*) 1914, Jacksonville, Fla.
 *Millhoff, Clarence Dimmick, Cleveland, O.
 Milliken, Robert Addison, A B (*Princeton Univ.*) 1914, Indianapolis, Ind.
 Morrison, Charles Carr, Jr, A.B. (*Bowdoin Coll*) 1915, Bar Harbor, Me.

* Admitted on two years of college work

- *Morrissey, Daniel Leo, Bristol, R. I.
 Myers, Franklin Augustus, A B (*Lincoln Univ*) 1913, Cambridge
 Nye, Robert Nason, A B 1913, Springfield
 O'Meara, John William, A B (*Holy Cross Coll*) 1912, Worcester
 Osgood, Herman Ashton, A B 1911, A.M 1915, D.M.D 1915, Cambridge
 Parkhurst, Albert Elisha, A B (*Bowdoin Coll*) 1913, Presque Isle, Me
 Parsons, Charles Henry, Jr, S B (*Dartmouth Coll*) 1916, Centre Conway, N H.
 Patterson, Russell Hugo, S B (*Univ of Georgia*) 1914, Athens, Ga
 Rappleye, Willard Cole, A B (*Univ of Illinois*) 1915, Menominee, Mich
 Rieger, John Benjamin, PH C (*Univ of Michigan*) 1906,
 S B (*ibid*) 1907, S M (*George Washington Univ*) 1914, Boston
 Rock, John Charles, S B 1915, Marlboro
 Ronne, George Emil, A B (*Brown Univ*) 1914, Providence, R. I.
 Root, James Harold, PH B (*Yale Univ*) 1914, Brookline
 Rose, Julian, A.B 1915, Brooklyn, N Y
 Schneider, Chester Clayton, S B (*Univ of Wisconsin*) 1916, Milwaukee, Wis
 Schussler, Hermann, Jr, S B. (*Univ of California*) 1914, San Francisco, Cal
 Scott, Arthur Carroll, Jr, A B (*Univ of Texas*) 1914, Temple, Tex
 *Seabury, Robert Brewster, New Haven, Conn
 Sefton, Wilfred, PH B (*Yale Univ*) 1914, Auburn, N Y
 Shields, James Burnett, S B (*Dartmouth Coll*) 1914, Boston
 Shoenfield, Adolph, A B 1915, Youngstown, O
 Sisson, Eugene Pardon, Jr, S B (*Colgate Univ*) 1916, Hamilton, N. Y
 Smith, Curtis Everett, A B (*Univ of Wisconsin*) 1912, S M
 (*ibid.*) 1916, Paris, Tenn
 Smith, Judson Arthur, A B 1915, Hudson Falls, N. Y.
 Spence, Ralph Case, A B. (*Univ. of North Carolina*) 1914, Kipling, N C.
 Steenburg, Edmund Kenneth, A B (*Univ of Nebraska*) 1916, Aurora, Neb
 Stone, Eric Percy, S B 1915, New York, N. Y
 Street, Claudius Augustus, A.B. (*Colorado Coll.*) 1914, Linville Falls, N. C.
 Sullivan, Edward Scanlan, A B 1914, Concord, N H.
 Taylor, Norman Henry, A.B. (*Haverford Coll.*) 1913, A M.
 (*Harvard Univ*) 1914, Philadelphia, Pa.
 Thorne, Fred Sanborn, A B. 1913, Gardiner, Me.
 Vail, Ramon Montgomery, PH B (*Yale Univ*) 1914, Thompsonville, Conn.
 Waring, Elmer Stebbins, A B (*Univ. of South Carolina*) 1914, Columbia, S. C.

* Admitted on two years of college work

Wheeldon, Thomas Foster, A B (<i>Univ of Missouri</i>) 1914, A M (<i>ibid</i>) 1915,	Moberly, Mo
Whitney, Raymond Cyrus, S B (<i>Middlebury Coll</i>) 1914,	Millbury
Wickham, George Smallwood, A B (<i>Holy Cross Coll</i>) 1914,	South Lee
Williamson, Adam Cluness, A B (<i>Westminster Coll</i>) 1911, A M (<i>Princeton Univ</i>) 1914,	Brockton
Winsor, Allen Pellington, A B 1914,	Farhaven

THIRD CLASS

Adler, Stuart Welsh, PH B (<i>Lafayette Coll</i>) 1915,	Yonkers, N Y
Ames, Forrest Bertram, A B (<i>Univ of Maine</i>) 1913,	Bangor, Me
Argo, William Chenault, A B (<i>Colorado Coll</i>) 1915, Colorado Springs, Colo	
Attridge, Arthur James, A B (<i>St Francis Xavier's Coll</i>) 1910,	Brookline
Atwood, Warren Gerald, A.B (<i>Dartmouth Coll</i>) 1915,	Beacon-on-Hudson, N. Y
Ayer, Vernon Alexander, S B (<i>Clark Univ, Ga</i>) 1914,	Gainesville, Fla
Ayres, Samuel, Jr, A B. (<i>Univ of Missouri</i>) 1915,	Allston
Beasley, Albert Sidney, Jr, A.B (<i>Lincoln Univ</i>) 1915,	Macon, Ga
Blackett, Charles Wesley, Jr, A B (<i>Boston Univ</i>) 1915,	Brookline
*Boch, Joseph,	Whitman
Boggs, Arthur Gordon, A B (<i>Dartmouth Coll</i>) 1915,	Needham
Bowler, John Pollard, A B (<i>Dartmouth Coll</i>) 1915,	Hanover, N H
Breed, William Bradley, A B. 1915,	Syracuse, N Y
Briggs, Wallace Rideout, A B (<i>Univ of California</i>) 1916, Sacramento, Cal	
Burnett, Joseph Hamilton, A.B. (<i>Yale Univ</i>) 1916,	E. Boston
Burwell, Charles Sidney, Jr, A B (<i>Allegheny Coll</i>) 1914,	Meadville, Pa.
Cheney, Robert Cartwright, A B 1915,	Concord
Coleman, George Vincent, A.B (<i>Holy Cross Coll</i>) 1915,	Providence, R I
Cushing, Kirke Williams, PH B. (<i>Kenyon Coll.</i>) 1914, A B (<i>Yale Univ</i>) 1915,	Cleveland, O.
Davis, William Lincoln, S B (<i>Dartmouth Coll</i>) 1913,	Concord
Derby, Joseph Patrick, A B. (<i>Catholic Univ of America</i>) 1915,	No Easton
Duffy, James Joseph, A B. (<i>Holy Cross Coll.</i>) 1915,	Webster
Dunne, Richard Edwin, A B (<i>Catholic Univ of America</i>) 1915,	Derby, Conn.
Fipphen, Clarence Wyman, S B (<i>Dartmouth Coll</i>) 1916,	Concord, N H
Foster, William Harold, A.B. (<i>Boston Univ</i>) 1914,	Boston
Garland, Joseph, A.B 1915,	Winchester

* Admitted on two years of college work

- Goodale, Alfred Montgomery, A B. 1913, Cambridge
 Greene, Phillips Foster, A B (*Amherst Coll*) 1915, Upper Montclair, N J.
 Greenough, James, A B 1915, Cambridge
 Griffith, Jesse Brinker, A B (*Univ of Pittsburgh*) 1915, Monesson, Pa
 Haggart, Gilbert Edmund, A B (*Leland Stanford Jr Univ*) 1915, Durango, Colo
 Haines, Samuel Faitoute, S B 1915, Rochester, Minn
 *Harris, William, New London, Conn
 Herrick, Theodore Pomeroy, A B (*Yale Univ*) 1915, Cleveland, O
 Hill, Lee Forrest, S B (*Dartmouth Coll*) 1917, Contoocook, N H.
 Hubbard, Eliot, Jr, A B 1915, Boston
 Jackson, Henry, Jr, A B 1915, Boston
 Jackson, Howard Burr, A B 1915, Jamaica Plain
 Jameson, Charles Harold, A B 1916, Thomaston, Me
 Jones, Chester Morse, A B (*Williams Coll.*) 1913, Newton Centre
 Kurth, Harold Richard, A B 1915, Lawrence
 Leddy, Eugene Thomas, A B 1915, Taunton
 *Loeb, Robert Frederick, New York, N. Y.
 Long, Graydon, S B (*Univ of Rochester*) 1912, Rochester, N Y
 Loud, Norman Wiley, A B 1915, Colorado Springs, Colo
 Lucy, John Joseph, A B (*Boston Coll*) 1915, Somerville
 Ludlow, George Craig, A B 1915, Worcester
 Lynch, Frederick James, A B (*Bowdoin Coll*) 1916, Cambridge
 Lynch, James Joseph, S B. (*Notre Dame Univ.*) 1915, Laurens, Ia.
 McGarry, Augustine Wilfred, A B (*St. Mary's Univ*) 1911, Brighton
 McGill, Donald Cameron, A B (*Cornell Univ*) 1915, Rochester, N. Y
 MacKedon, William Leo, S B (*Univ of Wisconsin*) 1917, Milwaukee, Wis.
 Martin, Charles Louis, E E (*Univ of Texas*) 1914, Dallas, Tex
 Mason, William, A B 1915, Fall River
 Meigs, Joe Vincent, A B (*Princeton Univ*) 1915, Lowell
 Mills, Chester Rudolph, S B. (*Colby Coll*) 1915, Needham
 Minor, John, A B (*Univ of Virginia*) 1916, Asheville, N C
 Monroe, Noel Gates, A B. (*Lawrence Coll.*) 1911, Emerald, Wis.
 *Nay, Ernest Omar, Marshall, Ill.
 Neal, Paul Nathaniel, A B. (*Trinity Coll, N. C.*) 1915, Monroe, N. C
 Nelson, Wilford Merriam, S B (*Univ of Wisconsin*) 1917, Heroult, Cal
 Newton, Francis Chandler, A.B (*Amherst Coll*) 1915, Reading
 Nutter, Denton Gove, A B 1915, Newton Upper Falls
 O'Connor, Michael John, A B (*Holy Cross Coll.*) 1915, Providence, R. I.
 O'Hara, Dwight, S B (*Dartmouth Coll*) 1915, Waltham
 Olch, Benedict, A.B (*Brown Univ*) 1915, Providence, R I

* Admitted on two years of college work.

- Peck, Eugene Curtis, A B 1916 (1915), New Britain, Conn
 Pennoyer, Grant Palmer, A B 1915, A M 1916, E Orange, N J
 Richards, Lyman Gilder, A B 1916, Fall River
 Richards, Thomas Kinsman, A B 1915, Spokane, Wash
 Robinson, Bruce Bowman, A B (*Baker Univ*) 1914, A M
 (*Clark Univ*) 1915, Fort Smith, Ark
 Root, Howard Frank, A B 1913, Ottumwa, Ia
 Rose, Frank Herbert, A B (*William Jewell Coll*) 1915, A M
 (*Univ of Missouri*) 1917, Dearborn, Mo
 Royal, Kent Tyler, S B (*Colby Coll*) 1915, Harvard
 Russell, George Gardiner, A B 1916, Cambridge
 Rypins, Harold, A B (*Univ of Minnesota*) 1914, St Paul, Minn
 Sanders, Morris Blackman, A B (*Washburn Coll*) 1914, Yonkers, N Y
 Sargent, Francis Barnard, A B 1916, Lexington
 Schwartz, Charles Wadsworth, PH B (*Yale Univ*) 1914, Brookline
 Shackford, Bartlett Chauncey, S B (*Dartmouth Coll*) 1917, Newton
 Shedden, William Martindale, A B (*Yale Univ*) 1915, Brookline
 Simpson, Charles Moffat, A B (*Trinity Univ, Tex*) 1914,
 A M. (*Harvard Univ*) 1916, Waxahachie, Tex.
 Sisco, Dwight Lewis, A B (*Colorado Coll*) 1913, A M
 (*ibid*) 1914, Colorado Springs, Colo
 Snider, Ivan, A B (*George Washington Univ*) 1915 (1917),
 Oklahoma City, Okla
 Snow, Bruce, A B 1915, Stoneham
 Stang, Hartwick Martinus, S B (*Univ of Wisconsin*) 1916, Eau Claire, Wis
 Stein, Louis Charles, A B (*Yale Univ*) 1915, Hartford, Conn.
 Steinberg, Alfred Julian, A B (*George Washington Univ*)
 1914, Washington, D. C
 Straus, Francis Howe, S B 1916, Hinsdale, Ill.
 Supple, William Raymond, A B (*Boston Coll*) 1915, Cochituate
 Thorndike, William Tecumseh Sherman, A B 1915, Boston
 *Tso, Ernest Teh, Ichang, China
 Van Stone, Wilfred Douglas, A B (*Colorado Coll*) 1915, Dallas, Tex
 Veldee, Milton Victor, PH C (*Washington State Univ*)
 1911, S B (*ibid*) 1913, S M (*ibid*) 1914, Bremerton, Wash
 Wilder, Edward Wheeler, A B 1915, Dorchester
 Williams, Charles Amory, Jr, A B 1914, Brookline
 *Woo, Shu Tai, Sooschow City, China
 Wright, William Witter, A B (*Yale Univ*) 1912, Putnam, Conn

* Admitted on two years of college work

SECOND CLASS

Adelman, Maurice, A B (<i>Brown Univ</i>) 1916,	Providence, R I
Alexander, William Hamlet, S B (<i>Lehigh Univ</i>) 1916,	Boston
Amory, Ingersoll, A B 1892,	Boston
†Anderson, Howard Taylor,	Salt Lake City, Utah
‡Berger, Benjamin Jonathan,	Halstead, Kan.
Berman, Saul, A B 1916,	Roxbury
*Blake, Philip Warren,	Marlboro
Brittingham, Harold Hixon, A B (<i>Yale Univ</i>) 1916,	Madison, Wis
Browder, Newton Clarence, A B (<i>Buller Coll</i>) 1916,	Indianapolis, Ind
Brown, William Eustis, PH B (<i>Lafayette Coll</i>) 1909,	Boonton, N J.
Bulger, Harold Aten, S B (<i>Ohio State Univ</i>) 1916,	E Liverpool, O
Carbaugh, Glenn Claiborne, A B (<i>William Jewell Coll</i>) 1915,	Kansas City, Mo
*Carr, Henry Pardee,	Milledgeville, Ga
Cheley, Glen Evan, A B (<i>Colorado Coll</i>) 1916,	Colorado Springs, Colo
Churchill, Edward Delos, S B (<i>Northwestern Univ</i>) 1916,	
A M (<i>ibid</i>) 1917,	Chenoa, Ill
Clark, James Frederic Wright, A B (<i>Boston Univ</i>) 1916,	Waltham
Clarke, Charles William, S B (<i>Iowa State Coll</i>) 1915,	Fairfield, Ia
Craig, George Mansfield, S B (<i>Wesleyan Univ, Conn</i>) 1916,	Middletown, Conn
Daniels, Lewis Ernest, S B (<i>Univ of Michigan</i>) 1911,	Cambridge
Denney, Elliott Stevenson, S B (<i>Belmont Coll</i>) 1915,	Aurora, Ill
Doherty, Gerald Leo, S B (<i>Tufts Coll</i>) 1916,	Dorchester
Doherty, Henry Leo, A B. (<i>Boston Coll</i>) 1916,	Stoneham
Donahoe, Robert Abbott, A B 1915 (1917),	Lowell
Dorrance, Harold Sparrow, PH B (<i>Hamilton Coll</i>) 1912,	Camden, N. Y.
Dwyer, Philip Roche, A B (<i>Boston Coll</i>) 1916,	Salem
Emery, Edward Stanley, Jr., A. B 1916,	Brookline
Field, Henry, Jr., S B. (<i>Syracuse Univ.</i>) 1916,	Marathon, N. Y.
Finkel, Henry Sumner, A B 1916,	Roxbury
Frasch, Otto Robert, A B 1913,	Seattle, Wash
Friedberg, Emanuel Benjamin, A B 1915,	Pittsburgh, Pa
Fuller, George Lester, A B (<i>Tufts Coll</i>) 1916,	Braintree
Gamble, Clarence James, LITT B. (<i>Princeton Univ</i>) 1914,	
A M. (<i>ibid</i>) 1916,	Pasadena, Cal
Gayler, Gilbert Ellis, A B 1916,	Cambridge

† Admitted on four years of college work

‡ Admitted on three years of college work

* Admitted on two years of college work

- Glover, Donald Mitchell, A B (*Univ of Illinois*) 1916, Urbana, Ill
 Goldsmith, Lauren Holmes, S B (*Univ of Georgia*) 1916, Atlanta, Ga
 Greene, David Dewey, A B 1916 (1917), Cambridge
 Haben, Harold Clinton, S B (*Carleton Coll*) 1916, Waseca, Minn
 Halliday, Clarence Walter, A B (*Univ of Manitoba*) 1916, Chatham, Ont
 Harbin, Robert Maxwell, S B (*Univ of Georgia*) 1916, Calhoun, Ga
 Herman, William, A B (*Yale Univ*) 1912, Boston
 Hitchcock, James, A B (*Dartmouth Coll*) 1909, Cambridge
 *Hoeffel, Gerald Norton, Green Bay, Wis
 Hudson, Royal Carlton, S B (*Rhode Island State Coll*) 1915, Phenix, R I
 Joyce, Henry Stephen, A B 1916, Ipswich
 *Kelly, Otis Francis, E Boston
 Kibbe, Edgar Allen, A B (*Univ of Missouri*) 1916, Grant City, Mo
 *King, Tse, Wuchang, China
 Kitsis, Henry Hyman, S B 1916 (1917), Boston
 Lamar, Clifford Lamer, A B (*Univ of Alabama*) 1916, Selma, Ala.
 Landry, Benedict Bernard, A B (*Holy Cross Coll*) 1916, Bristol, Conn
 Leach, Robert Swepson, A B (*Univ of Tennessee*) 1915, Wytheville, Va
 *Ling, Wen-Ping, Hangchow, China
 Livingston, William Kenneth, A B (*Univ of Oregon*) 1913, A.M. (*ibid*) 1917, Sparta, Wis
 *Loh, Ven-tsao, Shanghai, China
 Looney, Joseph Michael, A B 1917 (1916), Somerville
 Lund, Charles Carroll, A B 1916, Boston
 Lyon, Don Dee, S B (*Univ of Washington*) 1914, Weiser, Idaho
 McCalla, Randolph Lucien, A B (*Georgetown Univ*) 1916, Boise, Idaho
 McKnight, William Hodges, A B (*Univ of Texas*) 1916, Mansfield, Tex
 †Marble, Howard Bennett, Plainville
 Merrill, Earl Stephen, A B. (*Univ of Maine*) 1916, Orono, Me
 Merrill, Ralph Edward, A B (*Bates Coll*) 1916, Patten, Me
 Merrill, Urban Howe, A.B. (*Bowdoin Coll*) 1916, Lawrence
 Murphy, William Parry, A B (*Univ. of Oregon*) 1914, Portland, Ore.
 Newton, Harlan Fay, A B (*Yale Univ*) 1916, Reading
 Odian, Missak Garabed, A B (*Apostolic Coll, Turkey*) 1913, Angora, Turkey in Asia
 Ogden, Warner, A B (*Carleton Coll*) 1916, St Paul, Minn
 O'Leary, Joseph James, A B (*Catholic Univ of America*) 1916, Haverhill
 O'Neil, Eugene Everett, A B 1916, Danvers

* Admitted on two years of college work

† Admitted on three years of college work

- Park, James Loder, s B (*Pennsylvania Coll*) 1916, Indiana, Pa
 Partridge, Winthrop Prescott, A B 1916, Cambridge
 Peacock, Thomas Gerald, A B (*Univ of Georgia*) 1915, Barnesville, Ga
 Putnam, Tracy Jackson, A B 1916 (1915), Boston
 †Richards, Paul Snelgrove, Salt Lake City, Utah
 Romberg, Eli Charles A B 1914, Dorchester
 Rypins, Russel Franklin, A B (*Univ of Minnesota*) 1916, St Paul, Minn
 Sanford, Clarence Higgins, s B 1915, Allston
 Savage, William Elliott, A B (*Univ of Illinois*) 1917, Belleville, Ill
 *Scudder, Winthrop Davis, Osterville
 Sheehan, John Dennis, A B (*Holy Cross Coll*) 1916, Worcester
 Smiley, Harold Everett, PH B (*Brown Univ*) 1912, s M
 (*ibid*) 1913, Providence, R I
 Smith, Lawrence Weld, A B 1916, Brookline
 Smith, Richard Ilsley, s B (*Tufts Coll*) 1916, Auburn, Me.
 Soletsky, David, s B (*Coll of the City of New York*)
 1914, New York, N Y.
 Stillman, Raymond Durgin, s B (*Bates Coll*) 1916, Saco, Me
 Storrs, Ralph Warren, s B. (*Trinity Coll, Conn.*) 1917, Hartford, Conn
 *Swartz, Jacob Hyams, Boston
 Tefft, Richard Carlisle, Jr, A B (*Yale Univ.*) 1916, Hudson Falls, N Y
 *Viko, Louis Eindred, Salt Lake City, Utah
 *Weiner, Sidney Hertz, Boston
 Weyler, Henry Leon Cohen, PH B (*Brown Univ*) 1916, Providence, R I
 †Wheeler, Roy Russell, Rockville Centre, N Y
 Wiese, Walter John, A B (*Yale Univ*) 1916, Meriden, Conn
 Wiggan, Sidney Cushing, s B (*Tufts Coll*) 1916, Roxbury
 Wilson, Edward Harlan, s B (*Dartmouth Coll*) 1915, Columbus, O.
 †Wolfsohn, Mast, San Francisco, Cal
 Wood, Russell, A B 1916, New Bedford
 Yoakam, Wayne Addison, s B (*Denison Univ*) 1916, Homer, O

 FIRST CLASS

- Abel, Abraham Lincoln, A B (*Brown Univ*) 1917, Providence, R I
 Anderson, John Gordon, s B (*Rhode Island State Coll*)
 1917, Westerly, R I
 *Bates, George Campbell, Lake Forest, Ill.
 †Bauman, Clair Sylvester, Lock Haven, Pa
 †Benjamin, Aubrey Crane, Dorchester

† Has completed work in Harvard College for the Bachelor's degree

‡ Admitted on three years of college work

* Admitted on two years of college work

- *Berenson, Hyman, Boston
 Blaisdell, Charles Byron, A B 1918 (1917), Long Branch, N J
 ‡Blumgart, Herrmann Ludwig, Newark, N J.
 ‡Bouvé, Howard Allston, Wakefield
 Boyd, Howard, S B (*Allegheny Coll*) 1915, Meadville, Pa
 • Bray, Thomas Ambrose, A B (*Boston Coll*) 1917, Holliston
 Bruning, Paul Henry, A B (*Boston Coll*) 1916, Roxbury
 Buck, Robert William, A B (*Bulter Coll*) 1914, A M
 (*Columbia Univ*) 1915, Indianapolis, Ind.
 ‡Byers, Randolph Kunhardt, No Andover
 ‡Castle, William Bosworth, Belmont
 Chapman, Edward Northrop, A B (*Yale Univ*) 1917, New London, Conn
 Crumrine, Clarence Acklin, A B (*Washington and Jefferson*
Coll) 1917, Washington, Pa
 Curran, Jean Alonzo, A B (*Carleton Coll*) 1916, Mankato, Minn
 Di Leone, Ralph, A B (*Brown Univ*) 1917, Providence, R I
 Dlogg, Louis, A B 1917, Berlin, N H
 Dumphy, John Joseph, A B (*Holy Cross Coll*) 1917, Springfield
 Dunphy, John Joseph, Jr, A B (*Holy Cross Coll*) 1917, Worcester
 Ely, Julian Griffin, S B (*Wesleyan Univ, Conn*) 1917, Hamburg, Conn
 Everett, Winchester Winslow, A B 1917, Newton Upper Falls
 Gardner, Stuart Needham, A B 1917, Peabody
 Garrick, Thomas Joseph, A B (*Boston Coll*) 1917, Somerville
 Goldsbury, James Edward, A B 1915, Charlestown
 *Grund, Jacob Leon, Dorchester
 Guller, Erastus Ingham, A B (*Colgate Univ*) 1917, Hamilton, N. Y.
 Hair, Paul Gregory, A B (*Clark Coll*) 1917, Worcester
 Harrington, Winthrop Wendell, A B 1917, Waltham
 Hettwer, Joseph Paul, A B. (*Marquette Univ*) 1915, A M
 (*Catholic Univ of America*) 1916, A.M. (*Harvard Univ*)
 1917, Milwaukee, Wis.
 *Hopkins, Heywood Hill, Thomasville, Ga
 Hopkins, John Edward, A B (*Boston Coll*) 1916, Lawrence
 ‡Hough, Garry de Neuville, Jr, New Bedford
 *Hu, Cheng Hsiang, Wushih, China
 Hughes, William Newton, A.B. (*Brown Univ*) 1916, A.M.
 (*ibid*) 1917, Manton, R. I
 Johnson, Henry Peter, S B (*Bates Coll*) 1916, Stetson, Me.
 Jones, Stephen George, A B 1917, Redwood, N. Y
 Joslin, Doyle, A B (*Colorado Coll*) 1917, Laramie, Wyo

* Admitted on two years of college work

‡ Admitted on three years of college work.

- Katz, Henry, A B (*Yale Univ*) 1917, Hartford, Conn
 *King, Francis Joseph, Woonsocket, R I
 Lane, John Thomas, A B (*Boston Coll*) 1917, Cambridge
 *Long, Le Roy Downing, Oklahoma City, Okla
 *Lugitch, Maurice, Boston
 Luther, Eliot Horton, A B (*Brown Univ*) 1917, Providence, R I
 *Lutz, Frank Louis, Fostoria, O
 Lydon, Cyril Michael, A B (*Boston Coll*) 1917, No Abington
 McConnell, William Ethelbert, S B (*Allegheny Coll*) 1917, Parnassus, Pa
 *Macdonald, Maxwell Eugene, Bangor, Me
 McGarrahan, John Cooley, A B (*Amherst Coll*) 1917, Cohoes, N Y
 McLeod, James Carlisle, A B (*Univ of North Carolina*) 1917, Florence, S. C.
 ‡Mallory, Tracy Burr, Brookline
 Manuel, William Frederick, A B (*Bates Coll*) 1915, Houlton, Me
 *Maraldi, Carl Francis, Roxbury
 Means, Paul Howard, A B 1917, Brookline
 Merwarth, Harold Russell, A B (*Lehigh Univ*) 1917, Easton, Pa
 Miller, Frederic Munger, Jr, S B (*Hamilton Coll*) 1917, Utica, N. Y
 *Murphy, Thomas Basil, Medford
 Nelligan, Thomas Hayes, A B (*Amherst Coll*) 1917, Amherst
 Nevins, Joseph Gerard, A B (*Boston Coll*) 1917, Brookline
 Nichols, Alvoid Gates, A B (*Colgate Univ*) 1916, Malden
 *Ober, Harry, E Boston
 O'Brien, Thomas Francis, A B. (*Holy Cross Coll*) 1917, Worcester
 O'Connell, Francis Daniel, A B (*Boston Coll*) 1916, Providence, R I
 †Pantzer, Ralph John, Indianapolis, Ind
 Patman, William Louis, A B. (*Univ of Georgia*) 1917, Athens, Ga
 Powell, James Patrick, S.B 1916, Cambridge
 Price, Willis Gittens, A B. (*Lincoln Univ.*) 1917, Barbados, B. W. I.
 Reese, Algernon Beverly, Jr, S B. (*Davidson Coll*) 1917, Charlotte, N. C
 Ricketson, Oliver Garrison, Jr, A B 1916, Fernandina, Fla
 Ryley, Harold William, A.B (*Brown Univ*) 1917, New London, Conn
 Scaife, Benjamin Franklin, Jr, A B (*Univ of Oregon*) 1917, Eugene, Ore.
 Shea, Francis Xavier, A.B (*Holy Cross Coll.*) 1917, Everett
 *Shur, Morris, Boston
 Shukle, Revashanker Maganlal, A B (*Clark Coll.*) 1917, Bombay, India
 Smith, Frank Raymond, A B (*Yale Univ*) 1917, Stratford, Conn.

* Admitted on two years of college work

‡ Admitted on three years of college work

† Admitted on four years of college work

Snelling, Pinckney Welch, A B (<i>Univ of Georgia</i>) 1917,	Athens, Ga
*Songkla, Mahidol,	Bangkok, Siam
Stater, Wayne J, A B (<i>Univ of Oregon</i>) 1917,	McMinnville, Ore
*Stone, Alexander Albert,	Chelsea
*Szkla, Charles,	Budapest, Hungary
Thompson, Howard King, A B (<i>Colgate Univ</i>) 1916,	Boston
*Thorndike, Augustus, Jr	Boston
*Thurman, Aaron,	Dorchester
*Toot, Joseph Frederick,	East Liverpool, O
Towlerton, Fletcher Johnson, A B 1917,	Lyons, N Y
Townsend, James Harvey, A B 1917,	Newton
†Vela, Francisco,	Mexico City, Mex
Vickers, Denver, A B (<i>Colorado Coll</i>) 1917,	Colorado Springs, Colo
Washburn, Alfred Hamlin, A B (<i>Amherst Coll</i>) 1916,	Boston
*Webber, Samuel Rideout,	Calais, Me
Whitehorn, John Clare, A B (<i>Doane Coll</i>) 1916,	Spencer, Neb
Young, Clark, A B (<i>Univ of Utah</i>) 1917,	Salt Lake City, Utah

SUMMARY

CANDIDATES FOR THE DEGREE OF DOCTOR OF PUBLIC	
HEALTH	2
CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE	
FOURTH CLASS	94
THIRD CLASS	98
SECOND CLASS	98
FIRST CLASS	94
TOTAL	386

* Admitted on two years of college work

† Admitted on three years of college work

GRADUATES OF COLLEGES

Acadia College	1	Pennsylvania College	1
Apostolic College	1	Princeton University	6
Allegheny College	5	Rhode Island State College	2
Amherst College	3	St. Francis Xavier College (N. S.)	3
Anatolia College	1	St. Mary's College	1
Baker University	1	Leland Stanford Jr. University	1
Bates College	4	Syracuse University	1
Beloit College	1	Trinity College (Conn.)	2
Boston College	12	Trinity College (N. C.)	2
Boston University	2	Trinity University (Texas)	1
Bowdoin College	5	Tufts College	5
Brown University	18	University of Alabama	1
Butler College	2	University of California	3
Carleton College	3	University of Georgia	6
Catholic University of America	4	University of Illinois	4
Clark College	2	University of Maine	2
Clark University	2	University of Manitoba	1
Clark University (Ga.)	1	University of Michigan	3
Colby College	3	University of Minnesota	2
Colgate University	4	University of Missouri	5
College of the City of New York	1	University of Nebraska	1
Colorado College	11	University of North Carolina	2
Cornell University	2	University of Oregon	5
Columbia University	1	University of Pittsburgh	1
Dartmouth College	16	University of Rochester	2
Davidson College	2	University of South Carolina	1
Denison University	1	University of Tennessee	1
De Pauw University	1	University of Texas	3
Doane College	1	University of Toronto	1
Georgetown University	1	University of Utah	1
Hamilton College	2	University of Virginia	1
Harvard College	88	University of Washington	1
Haverford College	1	University of Wisconsin	7
Holy Cross College	13	Wabash College	1
Iowa State College	1	Washburn College	1
William Jewell College	2	George Washington University	3
Kenyon College	1	Washington and Jefferson College	1
Lafayette College	2	Washington State University	3
Lawrence College	1	Wesleyan University (Conn.)	2
Lehigh University	2	Westminster College	1
Lincoln University	3	Williams College	1
Marquette University	1	Yale University	21
Massachusetts Agricultural College	1		
Middlebury College	1	Total	349
Northwestern University	2	Counted more than once	23
Notre Dame University	1	Total Number of College Graduates	326
Oberlin College	1		
Ohio State College	1	Number of Colleges	90

THE DENTAL SCHOOL

POST-GRADUATE

NAME	HOME RESIDENCE	PRESENT ADDRESS
Rollins, Fred Goldsmith, D M D (<i>Tufts Dental Coll</i>) 1917,	<i>Brookline,</i>	141 Sutherland R'd, B'kline

THIRD YEAR

Alkazin, Salm Yusof,	<i>Old Orchard, Me</i>	112 Huntington Ave, Boston
Arnoff, Albert Isadore,	<i>Roxbury,</i>	101 Devon St, Rox
Batal, Abraham Joseph,	<i>Lawrence,</i>	407 Elm St, Lawrence
Berger, Samuel,	<i>Cambridge,</i>	122 Berkshire St, Cambridge
Bohnder, Elmer Reinhold,	<i>Swampscott,</i>	92 Middlesex Ave, Swampscott
Branchaud, Louis Raymond,	<i>Rutland, Vt</i>	484 Brookline Ave, Boston
Brice, Harry Danforth,	<i>Providence, R I</i>	690 Angell St, Providence, R I
Burgess, Stanton Leroy,	<i>Bairre, Vt</i>	70 St Stephen St, Boston
Burns, Harry Alger,	<i>Tulsa, Okla</i>	66 Francis St, Rox
Carp, Harry Morris,	<i>Dorchester,</i>	32 Harlem St, Dor
Cassidy, Raymond Paul,	<i>Wakefield,</i>	73 Nahant St, Wakefield
Cohen, Bernard Barnett,	<i>Malden,</i>	33 Harvard St, Malden
Crouch, Paul Webb,	<i>Jamaica Plain,</i>	602 Centre St, Jam Pl
Cushner, Charles Abraham,	<i>Boston,</i>	12A Chambers St, Boston
Cushner, Harold Bertrand,	<i>Boston,</i>	12A Chambers St, Boston
Dana, Henry Lester,	<i>Roxbury,</i>	34 Lawrence Ave, Rox
Daniels, Benjamin,	<i>Dorchester,</i>	34 Lorne St, Dor
Darling, Dewey Somers,	<i>So Ryegate, Vt.</i>	75 Beacon St, Lowell
Davidson, Frank Watson,	<i>Hullsgrove, R I</i>	11 Batavia St, Boston
Davis, Hazelton Barker,	<i>Medford,</i>	115A Otis St, Medford
Dwyer, George Lawrence,	<i>Manchester, Conn</i>	544 Mass Ave, Boston
Ellsworth, Roy Everett,	<i>Uxbridge,</i>	198 Aspinwall Ave, B'kline
Ettelson, Michael,	<i>Roxbury,</i>	260 Seaver St., Rox
Farrell, George Edward,	<i>Dorchester,</i>	15 Gibson St, Dor
Flink, Isadore,	<i>Roxbury,</i>	71 Ruthven St, Rox
Forbes, Louis Matthews,	<i>Providence, R I</i>	57 Westland Ave., Boston
Fuller, Nathaniel,	<i>Canton,</i>	57 Tolman St, Canton
Garry, Francis James,	<i>Lawrence,</i>	65 Franklin St, Lawrence
Gilkey, Charles Calvert,	<i>Richmond, Kan</i>	484 Brookline Ave., Boston

Glazin, Jacob Joseph,	Malden,	24 Magnolia St., Malden
Granger, Wilfred Clarebert,	Worcester,	18 Francis St., Rox
Greenberg, Hyman Lawrence,	Dorchester,	12 Glenway St., Dor
Hale, Myron Eusebius,	Brookline,	50 Russell St., B'kline
Hall, Gordon,	Somerville,	23 Munroe St., Somer
Harris, Philip Nathaniel,	Mattapan,	29 Woolson St., Mattapan
Hopkins, Russell Norman,	Wallingford, Conn	92 Gainsborough St., Boston
Johnson, Allan Macfarlan, A B		
(Yale Univ) 1909,	Watertown,	30 Lincoln St., Watertown
Karcher, Paul Hoffman,	Springfield,	64 Willard Ave., Springfield
Kassels, Henry,	Malden,	25 Newton St., Malden
Kimball, Harvey Ellhott,	E Boston,	62 Falcon St., E Boston
LaFlamme, Arthur James,	Belmont,	397 Belmont St., Belmont
Lapidus, Frank Ephram,	Boston,	22 Poplar St., Boston
LeBaron, Paul Burrows,	Frammingham,	138 Hollis St., Frammingham
Lockwood, Harold Chester,	Wanwick Neck, R I	
		53 St. Stephen St., Boston
MacDonald, Neil Francis,	Cambridge,	31 Holyoke St., Cambridge
Malkasian, George,	Worcester,	44 Roxbury St., Worcester
Maxfield, Carl Webster, A B		
(Princeton Univ) 1915,	Bangor, Me	198 Aspinwall Ave., B'kline
Monteagudo, Francisco Corral, Jr	Coruna, Spain,	66 Francis St., Rox
Nevins, Joseph William,	Melrose,	45 Appleton St., Melrose
Nugent, John Henry,	Portland, Me	63 Fenwood R'd, Rox
Palumbo, Frank,	Boston,	13 Norman St., Boston
Penn, Jack Benjamin,	Boston,	7 Stillman St., Boston
Rae, Robert Gordon,	Newton,	40 Bridge St., Newton
Rafferty, Andrew Athy,	Worcester,	63 Fenwood R'd, Rox.
Ray, John Gilbert,	Hyde Park,	713 River St., Hyde Park
Reiser, Waldo Frank,	Milton,	37 Belvoir R'd, Milton
Rhodes, Frank Irwin,	Chelsea,	181 Walnut St., Chelsea
Robinson, Harold Chester,	Manchester, N. H.	8 Batavia St., Boston
Romagosa, Roberto,	Manzanillo, Cuba,	17 Vancouver St., Boston
Samuels, Alexander,	Paramaribo, So America,	66 Francis St., Rox
Schwartz, Paul Abel,	Norwich, Conn	112 Howland St., Rox.
Sears, Alfred Edward,	Malden,	77 Mills St., Malden
Shain, Jacob,	Roxbury,	62 Brunswick St., Rox.
Shohet, Hermon Abram,	Roxbury,	112 Howland St., Rox.
Smith, Paul Rexford, A B (Bates		
Coll.) 1915,	Belfast, Me	14 Cedar St., W. Somer.
Spooner, Harold Gilman,	Providence, R. I.	
		22 Tanner St., Providence, R. I.

Staples, George Abel,	<i>Nashua, N. H.</i>	540 Newbury St , Boston
Sugarman, George Bernard,	<i>Ellington, Conn</i>	25 Intervale St , Rox
Sullivan, Arthur Frank,	<i>Eransville, Ind</i>	40 Holyoke St , Cambridge
Talcoff, Willam Jacob,	<i>Boston,</i>	50 Salem St Boston
Tashjian, Leon Der Sarkis,	<i>Boston,</i>	532 Tremont St , Boston
Taylor, George Henry,	<i>Gloucester,</i>	1122 Washington St , Gloucester
Tingley, Harold Elliott,	<i>Weymouth,</i>	91 Broad St , Weymouth
Wallace, David Francis, Jr	<i>Hartford, Conn</i>	189 Heath St , Rox
Weisman, Marc Joseph,	<i>Boston,</i>	14 No Anderson St , Boston
Weston, Henry Fuller,	<i>Campello,</i>	66 Francis St , Rox
Willson, Paul Libby,	<i>Saco, Me</i>	198 Aspinwall Ave , B'kline
Woisard, Roland Joseph Earnest,	<i>Pittston, Pa</i>	63-Fenwood R'd, Rox
Yavner, Benjamin Franklin,	<i>Somerville,</i>	152 Linwood St , Somer

SECOND YEAR

Adams, Lester Will,	<i>Madison, Me</i>	20 Neponset Ave , Hyde Park
Allen, Marion Austin, A B (Al- lanta Univ) 1915,	<i>Nashville, Tenn</i>	30 Holyoke St , Boston
Anastasis, Augustin George,	<i>Marsonan, Turkey,</i>	16 Wigglesworth St , Boston
Aronson, Bernard Herman,	<i>E Boston,</i>	211 Princeton St , E Boston
Banks, Oswald Franklin,	<i>Arlington Heights,</i>	131 Florence Ave , Arlington Heights
Bates, Francis Creber,	<i>Dorchester,</i>	208 Harvard St , Dor
Bates, William Spencer,	<i>Hopedale, O</i>	198 Aspinwall Ave , B'kline
Beal, Donald Fremont,	<i>Rockland,</i>	198 Aspinwall Ave., B'kline
Betts, Carl Leon, A B (Wale Forest Coll) 1912,	<i>Rome, Ga</i>	198 Aspinwall Ave , B'kline
Bickford, Willis John, Jr.	<i>Dorchester,</i>	5 Bowdoin Ave , Dor.
Blackler, Robert Boyd,	<i>Cambridge,</i>	40 Inman St., Cambridge
Bresnick, Barnet,	<i>Dorchester,</i>	150 Stanwood St , Dor
Brown, Crawford Gerard,	<i>Everett,</i>	42 Norwood St , Everett
Burger, David Jacob,	<i>Middelburg, Transvaal, So Africa,</i>	20 Francis St , Rox
Burkinshaw, Herbert Joseph,	<i>Meriden, Conn.</i>	51 St. Stephen St , Boston
Cannon, Michael Leo,	<i>Cambridge,</i>	118 Antrim St , Cambridge
Carmody, Everett Raymond,	<i>Providence, R. I.</i>	880 Huntington Ave , Boston
Chadbourne, Bailey Paul Brackett,	<i>Dorchester,</i>	64 Dracut St , Dor
Clayes, Stanley Arnold,	<i>Portland, Me</i>	25 Audubon R'd, Boston
Colson, Robert Willis,	<i>No Weymouth,</i>	48 Saunders St , No Weymouth
Copeland, Raymond Norman,	<i>Hyde Park,</i>	38 Davison St , Hyde Park

Cronin, Walter Leo,	Cambridge,	17 Baldwin St, Cambridge
Cummings, Eugene Raphael,	Fall River,	120 Mt Auburn St, Cambridge
Danforth, John,	Manchester,	63 Astor St, Boston
Davenport, Raeburn Roundy,	Beverly,	464 Huntington Ave, Boston
Despotes, Angello Constantine,	Roxbury,	8 Sunset St, Rox
Donigan, Henry Joseph,	Roxbury,	9 New Heath St., Rox
Douglas, Rex Nye,	Elkhart, Ind	80 Biowne St, B'kline
Dulac, Leon Edward,	Gardiner, Me	11 Fenwood R'd, Rox
Echevarria, Angel Maria,	Buenos Aires, Argentine Republic, So America,	491 Huntington Ave, Boston
Garry, Hubert James,	Methuen,	58 Broadway, Methuen
Godfrey, Bradford Custer,	Bennington, Vt	133 Peterboro St, Boston
Gould, Louis,	Somersworth, N H	11 Westminster R'd, Rox
Green, Harry,	Southbridge,	86 Francis St., Rox
Grosser, David,	Mattapan,	43 Woolson St, Mattapan
Haley, Russell Lowell,	Medford,	83 Otis St, Medford
Hallen, Herbert Vincent,	Malden,	30 Glen St, Malden
Harris, George Augustus,	Boston,	133 Peterboro St, Boston
Hicks, Arthur Wellington,	Dover, N H	76 Lonsdale St, Dor
Hill, Leo John,	Lawrence,	65 Franklin St., Lawrence
Hirschfeld, Solomon Marcus	Cape Town, So Africa,	706 Huntington Ave, Boston
Honan, John Harold,	Portland, Me	198 Aspinwall Ave, B'kline
Jameson, Max Lodge,	Burlington, Vt	464 Huntington Ave, Boston
Johnson, William Ernest,	Ansonia, Conn	162 Western Ave, Cambridge
Keegan, Thomas Joseph,	Ansonia, Conn	58 Francis St, Rox
Kent, Harold Albert,	Dorchester,	32 Windermere R'd, Dor.
Killgrew, George Francis,	New Bedford,	63 Fenwood R'd, Rox.
Knight, Gerald Herbert,	Westbrook, Me	198 Aspinwall Ave., B'kline
Kraslofsky, Maurice Israel,	Framingham,	55 Irving St, Framingham
Lawrence, Glenn Willis,	Exceter, N. H	198 Aspinwall Ave, B'kline
Lindgren, Homer Dorr,	Adrian, Minn	11 Fenwood R'd, Rox
Lombard, Blake,	Dorchester,	40 Everton St, Dor
Lumiansky, Barrett,	Dorchester,	44 Wolcott St, Dor.
Macfarlane, Russell Bailey,	Boston,	264 Bay State R'd, Boston
McMeans, Van Horne,	Davenport, Ia	11 Waverly St., B'kline
McNaul, Robert John,	Butte, Mont	72 St Stephen St, Boston
Malone, Raymond James,	Portland, Me	880 Huntington Ave., Boston
Merser, Herbert Bartlett,	Dorchester,	103 King St., Dor.
Mulcahy, John Francis,	Framingham,	21 Highland St., Framingham
Mullineaux, Charles Aiken,	Ansonia, Conn	316 Huntington Ave., Boston

Munson, Earle Walter, <small>S B</small> (<i>Neb-</i> <i>raska State Univ</i>) 1911,	<i>Lincoln, Neb</i>	198 Aspinwall Ave, B'kline
Odom, William Pearce,	<i>Gordon, Ala</i>	18 Ashburton Pl, Boston
Phillips, George Philadelphus, <small>A B</small> (<i>Anatolia Coll, Marsovan,</i> <i>Turkey</i>) 1905,	<i>Magnesia, Turkey,</i>	98 Riverside St, Watertown
Pomeroy, Richard Bruce,	<i>Gloucester,</i>	173 St Botolph St, Boston
Preston, Lovell Hubbard,	<i>New Hampton, N H</i>	57 Fenwood R'd, Rox
Raymond, Roy York,	<i>Cambridge,</i>	5 Eustis St, Cambridge
Rios, Alberto de los,	<i>Salta, Argentine Republic, So America,</i>	316 Huntington Ave., Boston
Rivero, Amancio Justo,	<i>Buenos Aires, Argentine Republic, So America,</i>	316 Huntington Ave, Boston
Rosenfeld, Louis,	<i>Malden,</i>	29 Magnolia St, Malden
Ruby, Joseph,	<i>New York, N Y</i>	544 Mass Ave, Boston
Sargent, Rolla Beane,	<i>Huntington Centre, Vt</i>	48 Wright St, Stoneham
Sarti, Fernando,	<i>Guatemala City, Guatemala, Central America,</i>	15 Boulevard Terrace, Allston
Scott, Wilham Michael, <small>A B</small> (<i>Bates Coll</i>) 1916,	<i>Lewiston, Me</i>	880 Huntington Ave, Boston
Sheffield, William Cyrenus,	<i>Providence, R I</i>	12 Francis St, Rox
Steller, Hyman Boris,	<i>Dorchester,</i>	36 Westville St, Dor
Stone, Lawrence Husted,	<i>Grand Rapids, Mich</i>	198 Aspinwall Ave, B'kline
Stowers, Nathaniel,	<i>Forest Hills,</i>	15 Anson St, Forest Hills
Swett, Norman Warren,	<i>Medford,</i>	37 Ashland St, Medford
Tekmejian, Martin,	<i>Boston,</i>	12 Cherokee St, Boston
Tellone, Emil Edward,	<i>E Orange, N J</i>	58 Francis St, Rox
Tierney, Joseph John,	<i>Dorchester,</i>	44 Pearl St., Dor
Trecartin, Julian Edward,	<i>Lubec, Me</i>	144 St Botolph St, Boston
Turner, Spurgeon de Witt,	<i>Kenilville, N S</i>	20 Carnes St, W Lynn
Wass, Russell Dickson,	<i>Leominster,</i>	15 Dunster St, Cambridge
Whelan, James Ignatius,	<i>Dorchester,</i>	11A Harvest St, Dor.
Wholley, Joseph Dennis, <small>A B</small> (<i>Boston Coll</i>) 1915,	<i>Chelsea,</i>	70 Grove St, Chelsea
Wolman, Benjamin Daniel,	<i>Gardner, Me</i>	11 Fenwood R'd, Rox

FIRST YEAR

Albert, Archie Arand,	<i>Malden,</i>	20 Grape St, Malden
Aronson, Hyman Arnold,	<i>Boston,</i>	7 Chambers St, Boston
Bonin, Pierre Onesime, <small>PH G</small> (<i>Rhode Island Coll of Phar-</i> <i>macy</i>) 1912,	<i>Woonsocket, R I</i>	375 Elm St, Woonsocket, R I

Buehler, Edgar LeRoy,	New York, N Y	706 Huntington Ave., Boston
Crowe, Charles Peter,	Newark, N. J	19 Fountain St., Medford
Davidson, Jacob Abraham,	Roxbury,	242 Magnolia St., Rox
Decker, George Clifford,	Binghamton, N Y	706 Huntington Ave., Boston
Drugan, John Edward, Jr	Wakefield,	217 Vernon St., Wakefield
Eaton, Clyde Howard,	Brunswick, Me	158 St Botolph St., Boston
Fallon, John Joseph,	Concord,	14 Grant St., Concord
Fein, Solomon Isadore,	Dorchester,	48 Fowler St., Dor.
Fish, Charles Winthrop,	Orange,	501 Highland Ave., Malden
Franké, George,	Manchester, N H	424 Mass. Ave., Boston
Garvey, Thomas Francis, Jr	Everett,	37 Linden St., Everett
Généreux, Joseph Louis, A B.		
(Holy Cross Coll) 1917,	Webster,	57 Fenwood R'd, Rox
Gilligan, Francis Joseph,	Newtonville,	11 Broadway, Newtonville
Gitterman, Benjamin Israel,	Newton Centre,	37 Union St., Newton Centre
Gooley, Henry Norman,	Barre, Vt	474 Albermarle R'd, W Newton
Harring, Cedric Frasier,	Dorchester,	73 Greenwood St., Dor
Johnson, Albert,	Portland, Me	741 Broadway, Somer
Johnston, Alfred Lawrence,	Foxcroft, Me	98 Sharon St., W Medford
Jones, John Wesley,	Boston,	28 School St., Boston
Kenney, William Harry,	Cambridge,	85 Belmont St., Cambridge
Lauter, Ignatz,	Dorchester,	11 Hansboro St., Dor
McKee, Alexander Widdicombe,	Brighton,	43 Waverly St., Brighton
Margolis, Israel,	Roxbury,	21 Normandy St., Rox
O'Brien, Philip Raymond,	Framingham,	54 Irving St., Framingham
Ockerse, Teunis,	Pretoria, Transvaal, So Africa,	
		706 Huntington Ave., Boston
O'Hearn, Edward Leo,	Everett,	77 Fremont Ave., Everett
Rogers, John Lloyd,	Barre, Vt	70 St Stephen St., Boston
Rutstein, Charles,	Boston,	23 Lowell St., Boston
Short, Ralph Wilham,	Allston,	101 Glenville Ave., Allston
Smith, Cheever Stanton,	Westbrook, Me	56 Westland Ave., Boston
Sowles, John Wesley,	Barre, Vt	70 St Stephen St., Boston
Spector, Nathan Moses,	Revere,	179 Shirley Ave., Revere
Stone, Arthur Louis,	Cranston, R I	66 Highland R'd, Somer.
Stone, Raymond Hutton,	Fall River,	58 Taylor St., Wollaston
Taber, Sydney Alfred,	Atlantic City, N. J	329 High St., Pawtucket, R. I
Trindall, Nelson Chadwick,	Allston,	85 Adams St., Allston
Van Heerden, Henry Octo,	Middelburg, Transvaal, So. Africa,	
		20 Francis St., Rox.
Wasgatt, Boyd,	Bar Harbor, Me	76 Francis St., Rox
Weinstein, Nathan,	Boston,	76 Middlesex St., Boston

SPECIAL STUDENTS

Shahinian, Vessem Kapriel,	<i>Providence, R. I.</i>
	276 Smith St., Providence, R. I
Tetrault, Louis Eugene,	<i>Southbridge,</i> 76 Westland Ave, Boston

SUMMARY

POST-GRADUATE STUDENT	1
THIRD-YEAR STUDENTS	79
SECOND-YEAR STUDENTS	87
FIRST-YEAR STUDENTS	42
SPECIAL STUDENTS	2
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TOTAL	211

STUDENTS REGISTERED IN THE SCHOOL FOR HEALTH OFFICERS

- Foley, Frederic Joseph, A B (*St Francis Xavier Coll*,
N S.) 1913, 14 Union Ave, Framingham
- Harkness, Robert Rae, PH B (*Yale Univ*) 1914, York Village, Me
- Hart, Clarence Dunbar, S B (*Tufts Coll*) 1917,
35 Charnwood R'd, W Somer
- Hedrich, Arthur Wilham, S B (*Northwestern Univ*)
1914, 126 Mass. Ave, Boston
- Horowitz, Murray Philip, S B (*Coll of the City of New*
York) 1913, S M (*Mass Institute of Technology*) 1916, W 44
- Knowlton, Millard, M D (*Indiana Medical Coll.*) 1905,
356 Commonwealth Ave, Boston
- Little, Harold Greenleaf, SC B (*Mass Agricultural*
Coll) 1916, 70 Purchase St, Newburyport
- McWhirk, Clara Viola, S B (*Boston Univ*) 1917, 42 Mt Vernon St, Boston
- Nelson, John Brockway, SC B (*Mass. Agricultural*
Coll) 1917, 53 Federal St, Newburyport
- Peter, William Wesley, PH B (*North Western Coll*) 1904,
PH M (*ibid*) 1906, M D (*Rush Coll*) 1910, 122 Wellington Hill St, Mattapan
- Ractliffe, Alice Ruth, 1 Mt Vernon Sq, Boston
- Rohn, Mina Mary, M D (*Michigan Univ*) 1911,
20 Charlesgate West, Boston
- Scannell, Edward John, M D (*Dartmouth Coll*) 1901,
60 The Fenway, Boston
- Turner, Clair Elsmere, A B (*Bates Coll*) 1912, A M (*Har-*
vard Univ.) 1913, 7 Ware St, Cambridge

REGISTERED IN THE UNIVERSITY AFTER THE PUBLICATION OF THE CATALOGUE OF 1916-17

HARVARD COLLEGE

SENIOR CLASS

Blumgart, Hermann Ludwig,	<i>Newark, N J</i>	779 Huntington Ave , Boston	
Ely, William Smith,	<i>Rochester, N Y</i>		S 15
Noble, Gladwyn Kingsley,	<i>Yonkers, N. Y</i>		T 61
Roth, Max,	<i>Scranton, Pa</i>		T 57
Scott, Ralph Atherton, *	<i>Melrose Highlands,</i>		
		952 Franklin St , Melrose Hlds	
Seton, Henry,	<i>Tuxedo Park, N Y</i>		Dunster 55
Spitz, Julian Henry,	<i>Brookline,</i>	50 Thorndike St , B'kline	

JUNIOR CLASS

Bishop, James Thoburn,	<i>Cleveland, O</i>		Claverly 19
Moore, John Crosby Brown,	<i>Cambridge,</i>		T 4
Rhinelander, Philip Kip,	<i>New York, N Y</i>		Claverly 19
Stanetsky, Henry Moses,	<i>Dorchester,</i>	42 Johnston R'd, Dor	
Stuart, Joseph Francis Edward,	<i>Newton,</i>		Randolph 35
Taylor, Murray,	<i>New York, N Y</i>		Claverly 130
Whiting, Walter Sherman,	<i>Cambridge,</i>	98 Trowbridge St	
Read, William Augustus, Jr	<i>Purchase, N Y</i>		9 Bow St.

SOPHOMORE CLASS

Campbell, John Ray, Jr	<i>Dorchester,</i>		Randolph 19
Temple, Richard,	<i>Boston,</i>	377 Beacon St , Boston	
Tison, Paul,	<i>New York, N Y</i>		Hampden 17

UNCLASSIFIED STUDENTS

Ely, John Thomas Anderson,	<i>Madison, Wis</i>		Dunster 22
Flaherty, James Dion,	<i>Cincinnati, O</i>		Claverly 23
Harwood, Wesley Bigelow,	<i>Malone, N. Y</i>		H'ke 32
Higgins, Leo Clement,	<i>Amesbury,</i>		P 84
Lloyd, William Weed,	<i>Prescott, Arizona,</i>	5 Linden St	
Sweet, Henry Eldredge,	<i>Providence, R I</i>	53 Dunster St.	

OUT-OF-COURSE STUDENTS

Blake, Wilham James,	<i>Brookline,</i>	306 Harvard St , B'kline
Coolidge, Henry James,	<i>Concord,</i>	7 Holyoke Pl
Currier, Donald Estes,	<i>Brookline,</i>	11 Babcock St , B'kline
Davis, Reginald Perrin,	<i>E Milton,</i>	Randolph 70
Lane, Howard Clinton,	<i>Boston,</i>	17 Hemenway St , Boston
Lee, Guy Hunter,	<i>Chestnut Hill,</i>	15 Holyoke St
Morse, Hastings Seth,	<i>New York, N Y</i>	39 Holyoke St
Stuart, Sidney Edward,	<i>Wilmington, Del</i>	5 Linden St

GRADUATE SCHOOL OF ARTS AND SCIENCES

RESIDENT STUDENTS

Allen, Stratford Bell,	<i>Cambridge,</i>	1 Langdon Sq
A B 1915 I yr Military Science (one half-course) (15 Feb)		
Alley, Alden Gifford, Jr	<i>Milton,</i>	Milton Academy, Milton
A B 1901 Teacher, Milton Academy I yr Military Science (one half-course), German (one half-course) (5 Mar)		
Athas, Constantine Pan,	<i>Cambridge,</i>	36 Trowbridge St
A B (<i>Ohio Univ</i>) 1915. I yr History (20 Feb)		
Barja, César,	<i>Boston,</i>	29 Audubon R'd, Boston
Licenciado in Derecho (<i>Univ of Madrid, Spain</i>) 1911, Doctor en Derecho (<i>ibid</i>) 1915. I yr Political Science (16 Mar)		
Bowles, Aubrey Russell, Jr	<i>Richmond, Va</i>	C't 16
A B (<i>Richmond Coll, Va</i>) 1915. Teacher, 1915-16, Chamberlayne School, Rich- mond, Va I yr Romance Languages (9 Feb.)		
Brown, Harry Gilbert,	<i>Cambridge,</i>	22 Suffolk St.
A B (<i>Brown Univ, R I</i>) 1912 I yr English (one half-course) (10 Feb.)		
Cattell, McKeen,	<i>Garrison-on-Hudson, N. Y.</i>	17 Ivy St , Boston
S.B. (<i>Columbia Univ, N Y.</i>) 1914 III yr Physiology. (6 Feb)		
Field, Richard Montgomery,	<i>Jamaica Plain,</i>	16 Alveston St , Jam. Pl.
S B 1909 (1910), A.M 1914 IV yr Geology (one half-course) (23 Apr)		
FitzGerald, Raymond Anthony,	<i>Cambridge,</i>	1 Leonard Ave.
S B 1918 (1912) II yr. Education (26 May)		
Flinner, Ira Arthur,	<i>Jamaica Plain,</i>	91 Moraine St., Jam. Pl.
Ph B (<i>Grove City Coll., Pa</i>) 1906, A.M. (<i>ibid</i>) 1908, A.B (<i>Harvard Univ</i>) 1911 I yr Education (one course) (10 Feb)		
Gabiné, Bernard,	<i>Zurich, Switzerland,</i>	Architectural Library, Robinson Hall
A B (<i>Leland Stanford Jr Univ., Cal</i>) 1914, A.M (<i>Harvard Univ.</i>) 1916. III yr. Psychology (two half-courses). (16 Feb)		

- Gill, Howard Belding, *Cambridge,* Ware 7
A B 1913, M.B A 1914 I yr Economics (one half-course), Psychology (one half-course) (15 Feb)
- Hale, Arthur Waldron, *Auburndale,* 43 Newell R'd, Auburndale
A B (*Amherst Coll*) 1906 Teacher of Mathematics, Huntington School, Boston
II yr Education (one course) (2 Jan)
- Hatfield, Walter Bossert, *Waverley,* 240 White St., Waverley
A B (*Princeton Univ., N J*) 1910 Supervisor of Town Schools, 1911-14, Jacob
Tome Institute, Port Deposit, Md I yr Economics (two half-courses) (7 Feb)
- Jenks, Chester Walton, *Brookline,* 175 Naples R'd, B'kline
A B. 1915 I yr Economics (3 Feb)
- Jewell, Harry Lee, *Cedar Falls, Ia* 38 Quincy St.
A B (*Iowa State Teachers' Coll*) 1916 I yr Government, Economics. (10 Feb)
- Jones, Webster Newton, *Rich Hill, Mo* 7 Riedesel Ave
A B (*Univ of Missouri*) 1908, A M (*ibid*) 1909 Assistant Professor of Organic
Chemistry, University of Missouri, on leave of absence IV yr Chemistry
(15 Feb)
- LeBosquet, John Edwards, *Boulder, Colo* 15 Everett St., Arlington
A B 1896, S T B (*Andover Theol Seminary*) 1899, A M (*Harvard Univ*) 1906, Ph D
(*ibid*) 1907 I yr Philosophy (one half-course) (16 Feb)
- Levy, Philp, *Dorchester,* 50 Greenwood St., Dor
A B 1914, A M 1915 II yr Spanish (two half-courses) (24 Feb)
- Meloy, Thomas Kronenberg, *New York, N Y* Craigie 201
A B 1915 I yr Military Science (one half-course) (15 Feb)
- Mordoff, Richard Alan, *Ithaca, N Y.* 36 Ash St.
S B (*Cornell Univ., N Y*) 1911 Assistant in Physical Geography, 1909-10, 1912-13,
Cornell University I yr Meteorology, Climatology (9 Feb)
- Ninde, George Falley, *Providence, R I* 44 Sacramento St.
A.B. (*Univ of Michigan*) 1905, S.T.B (*Garrett Biblical Institute, Ill*) 1907 V yr.
English (8 Feb)
- Page, Herman Riddle, *Spokane, Wash.* Lawrence 33
A B 1913. IV yr Education (one half-course) (12 Feb)
- Phelps, Walter Alfred, *Wakefield,* 28 Converse St., Wakefield
S B (*Dartmouth Coll., N. H*) 1910, A M (*Princeton Univ., N. J*) 1912. II yr.
Physics (8 Feb)
- Ransom, William Richard, *Tufts College,* 29 Sawyer Ave., Tufts College
A B (*Tufts Coll*) 1898, A M (*ibid.*) 1898, A M (*Harvard Univ*) 1903. IV yr Mathe-
matics (one half-course). (6 Feb)
- Rice, Harris, *Millbury,* 10 Fairmount St., Medford Hillside
S B (*Worcester Polytechnic Institute*) 1912 Instructor in Mathematics, Tufts College.
I yr. Mathematics (two half-courses) (6 Feb)
- Roper, Frank Adams, *Owego, N. Y.* 4 Story St.
S B (*Cornell Univ., N. Y*) 1915, S M. (*ibid*) 1916. I yr. Economics. (12 Feb)

- Sample, James Harold, *Sharpsville, Pa.* Craigie 402
A B (*Grove City Coll., Pa.*) 1911, A B (*Yale Univ., Conn.*) 1913 Teacher of Mathematics, 1913-16, Rockville High School, Conn. I yr History, Government (10 Feb)
- Shannon, Michael Joseph, *Frammingham, 24 Dennison Ave., Frammingham*
A B (*Boston Coll.*) 1895 Master, Lincoln School, So Frammingham II yr Education (one half-course) (10 Feb)
- Short, Ray LeRoy, *Iowa City, Ia* 8A Forest St
A B (*State Univ. of Iowa*) 1915, A M (*ibid.*) 1916 Assistant in English, 1915-16, State University of Iowa I yr Assistant in Public Speaking Education (one half-course) (8 Feb)
- Skinner, Clarence Russell, *W Somerville,*
102 Powder House Boulevard, W. Somer
A B (*St. Lawrence Univ., N Y.*) 1904, A M (*ibid.*) 1910 Professor of Applied Christianity, Tufts College III yr Economics (one half-course) (15 Feb)
- Smith, Sherrill Bronson, *Topeka, Kan* 69 Gainsborough St., Boston
A B (*Washburn Coll., Kan.*) 1913 Teacher, 1914-16, Topeka High School, Kan. I yr German (one course) (9 Jan)
- Smder, Joseph Lyons, *Unontown, Pa* 1727 Cambridge St
A B (*Amherst Coll.*) 1915 I yr History, Economics, Government, Philosophy, Social Ethics (8 Feb)
- Soule, William Emery, *Exeter, N. H* P. O. Box H, Exeter, N. H
A B 1910 (1909) III yr Social Ethics (one half-course) (16 Feb.)
- Spencer, William Sawyer, *Andover, 316 Huntington Ave., Boston*
A B (*Boston Univ.*) 1893, S T B (*Union Theol. Seminary, N Y.*) 1897, A M (*Harvard Univ.*) 1914 Assistant Professor of Argumentation and Oral Expression, 1909-12, Rhode Island State College II yr Education (one half-course) (14 Dec.)
- Sullivan, Charles Starke, *Anderson, S. C* C't 22
A B (*Furman Univ., S C.*) 1914 II yr Psychology (7 Feb)
- Tazaki, Masayoshi, *Katakambara, Japan,* 65 Hammond St
Shogakushi (*Tokyo Higher Commercial Coll., Japan*) 1907 Teacher, Nagasaki Higher Commercial College, Japan, on leave of absence I yr Economics (two half-courses) (8 Feb)
- Tower, Roy Arthur, *Benzonia, Mich* 94 Prescott St.
A B (*Carleton Coll., Minn.*) 1914 I yr. English. (10 Feb)
- Treadwell, Abbot, Jr *Concord, N H* 100 Mt. Vernon St., Boston
A.B 1917 (1916) I yr English, Economics, Government, Military Science. (26 Feb)
- Tucker, Donald Skeele, *Santa Barbara, Cal* 6 Roanoke R'd, Wellesley
A B (*Colorado Coll.*) 1906, A M (*Williams Coll.*) 1912. Lecturer on Economics, 1914-16, Columbia University, N Y Assistant Professor of Economics, Wellesley College I yr Economics (one half-course) (17 Feb.)
- Washburn, George Ellery, *Lexington,* 36 Forest St., Lexington
S B (*Mass Institute of Technology*) 1909, Ph D. (*Univ. of Berlin, Germany*) 1914 Instructor in Physics, Massachusetts Institute of Technology I yr. Modern Languages (two half-courses) (12 Feb)

- Wetzel, Hervey Edward, *Detroit, Mich* 9 Lonsburg Sq., Boston
A B 1911 III yr Fine Arts (one course) (14 Feb)
- Whistler, Ross Theodore, *Lenox,* 2 Holyoke Pl
A B 1916 I yr History, Government (12 Feb)
- White, Thomas Holden, *Cleveland, O* H'y 6
S B 26 Feb 1917 I yr Economics (one half-course) (16 Feb)
- Wright, John Kirtland, *Cambridge,* 33 Lexington Ave.
A B 1913, A M 1914 Instructor in History IV yr History (12 Feb)
- Youtz, Lewis Addison, *Appleton, Wis.* 172 Huntington Ave., Boston
Ph B (*Simpson Coll., Ia*) 1890, S M. (*ibid*) 1902, Ph D (*Columbia Univ., N Y.*) 1902
Professor of Chemistry, Lawrence College, Wis., on leave of absence I yr Chem-
istry (22 Jan)

THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

FIRST-YEAR STUDENT

- McMichael, David McDill, A B
(*Monmouth Coll.*) 1916, *Monmouth, Ill.* 41 Wendell St

SPECIAL STUDENTS

- Adams, Frank Woods, *Boston,* 50 Charlesgate East, Boston
Bernheimer, Clement Mayer, *Newburyport,* 70 Kilby St., Boston
Chase, Burr Linden, A B 1913, *Niagara Falls, N Y* 381 Harvard St
Faden, Andrew Franklin, A B 1905, *Swampscott,* 200 Devonshire St., Boston
Meyer, Alfred Reuben, A B 1910, *Belmont,* 504 Concord Ave., Belmont
Sortwell, Alvin Foye, A B 1914, *Hamilton,* 15 State St., Boston
Thompson, Norman Robinson, *Newton Centre,*
48 Braeland Ave., Newton Centre
Wheeler, Frank Walker, A B 1916, *Rockville Centre, N Y.* 2 Prescott St
Zeigler, Samuel Jacob, Jr., Gr.,
U. S. Naval Academy, 1912, *Shreveport, La* 10 Avon St

SCHOOL OF LANDSCAPE ARCHITECTURE

- Lee, Guy H. *Chestnut Hill,* 408 Hammond St., Chest-
A B 1915 [nut Hill]
- Sauers, Charles Goodwin, *Lawrenceburg, Ind* 36 Mt Auburn St.
S B in Agriculture (*Purdue Univ*) 1915
- Smith, James Hugh, *Wallingford, Vt.* 61 Oxford St
A B (*Oberlin Coll*) 1908

BUSSEY INSTITUTION — GRADUATE SCHOOL OF
APPLIED BIOLOGY

Chung, Hsin Hsuan,
S B 1917. I yr

Nanchang, Kiangsi, China,

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ENGINEERING AND MINING *

CANDIDATES FOR THE DEGREE OF
MASTER OF SCIENCE

ELECTRICAL ENGINEERING

Leung, Nai Hang, *Hongkong, China,* 20 Prescott St
S B (*Hongkong Univ*) 1916 V yr

Wei, Wing Lock, *Hongkong, China,* 25 Trowbridge St
S B (*Hongkong Univ and Union*) 1916 V yr

OTHER STUDENTS

CIVIL ENGINEERING

UNCLASSIFIED STUDENTS

Broockmann, Herman, Jr. *Richmond Hill, L. I., N Y* 135 Mass Ave
I yr

Johnson, Alfin, *Honolulu, Hawaii,* 154 W Newton St, Boston
S B (*Oregon Agricultural Coll*) 1911 III yr

Leary, James Bartlett, *New York, N. Y* 263 Newbury St, Boston
I yr

McFadden, Ralph Joseph, *Elm Grove, W Va* 179 Bay State R'd, Boston
I yr

Nightingale, Winthrop Ehot, *Boston,* 13 James St, Boston
A B (*Harvard Univ*) 1915 III yr

Pierce, John Franklin, *Newburyport,* 80 Bradbury Ave., Medford
I yr

MECHANICAL ENGINEERING

UNCLASSIFIED STUDENTS

Spooner, Frederick Carroll, *Furnace,* 169 West Newton St, Boston
II yr

Tavener, Charles H. *Mattapan,* 1525 Blue Hill Ave, Mattapan
II yr

Titus, Augustus Charles, *Newport, R. I.* 28 Sargent St., Newton
I yr

* Standing and addresses here given were for the year 1916-17.

SPECIAL STUDENTS

Derr, Thomas Sieger, II yr	Brookline,	M 12
Goldthwait, Joel Addison, II yr	Boston,	H. 28
Takagi, Yanao, IV yr	Port Arthur, Japan,	41 Granite St.

MINING ENGINEERING

SPECIAL STUDENTS

Daniels, Samuel, A B (<i>Harvard Univ</i>) 1915 IV yr	Dorchester,	4 Harlem St, Dor.
Shiozawa, Masakaza, IV yr	Tokyo, Japan,	37 Mellen St.

ELECTRICAL ENGINEERING

CLASSIFIED STUDENTS

Atwood, Lewis Johnson, Jr I yr	Newburyport, 57 Milk St, Newburyport	
D'Arcy, Francis George, II yr	Cambridge,	131 Huron Ave.

UNCLASSIFIED STUDENTS

Newhall, Ralph Perkins, S B (<i>Harvard Univ</i>) 1915 III yr	Lynn,	108 Nahant St, Lynn
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SPECIAL STUDENTS

Nabeshima, Uhachi, IV yr	Tokyo, Japan,	175 Fuller St, B'kline
Nishizaki, Katsuyuki, III yr	Tokyo, Japan,	175 Fuller St, B'kline

SANITARY ENGINEERING

UNCLASSIFIED STUDENTS

Allen, James Hale, I yr	Lawrence,	123 Cross St, Lawrence
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DIVINITY SCHOOL

RESIDENT GRADUATES

Burckhead, Malbone Hunter, A B (<i>Harvard Univ</i>) 1902, B D. (<i>Episcopal Theol. School</i>) 1907,	New York, N Y	G 39
Wright, John Wesley, A B (<i>Western Maryland Coll</i>) 1911, B D. (<i>Yale Univ</i>) 1914,	Pylesville, Md	76 Hammond St.

Wynne, Robert John, A B (*Ottawa Univ, Kan*) 1909, B D (*Rochester Theol Sem*) 1917, *Norton, Kan* D 38

STUDENTS IN ANDOVER THEOLOGICAL SEMINARY WHO REGISTERED
ALSO IN HARVARD DIVINITY SCHOOL

Allen, Alexander Joseph, A B (*Clark Univ*) 1910, *Somerville, 79 Humboldt Ave, Rox*
Smith, Sherrill Bronson, A B (*Washburn Coll*) 1913, *Topeka, Kan* A 5

STUDENTS IN THE EPISCOPAL THEOLOGICAL SCHOOL WHO REGISTERED
ALSO IN HARVARD DIVINITY SCHOOL

Fenn, Percy Thomas, A B (*Hobart Coll*) 1915, *Wichita, Kan* Lawrence 31
Murphy, DuBose, A B (*Yale Univ*) 1915, *Concord,* Lawrence 26

STUDENTS IN THE BOSTON UNIVERSITY SCHOOL OF THEOLOGY WHO
REGISTERED ALSO IN HARVARD DIVINITY SCHOOL

Clark, Charles Wilbur, A B (*Ohio Wesleyan Univ*) 1914, *Glenford, O* 41 Pinckney St, Boston
Philips, Warren J, A B (*Iowa Wesleyan Univ*) 1911, *Stockport, Ia* 41 Pinckney St, Boston

STUDENT IN THE NEWTON THEOLOGICAL INSTITUTION WHO
REGISTERED ALSO IN HARVARD DIVINITY SCHOOL

Edwards, James Thomas, A B (*Mercer Univ*) 1914, *Richmond, Va* Sturtevant Hall, Newton Centre

LAW SCHOOL

THIRD-YEAR STUDENT

Blackshear, David, A B (*Louisiana State Univ.*) 1901, A B (*Tulane Univ.*) 1904, LL B. (*ibid.*) 1904, *Baton Rouge, La.* 6 Story St

MEDICAL SCHOOL

THIRD YEAR

Goulding, Arthur Melville, A B [chester
 (Univ. of Toronto) 1910, Toronto, Ont, Can 9 Norwood St, Win-

SECOND YEAR

Peck, Eugene Curtis, A.B 1916
 (1915), New Britain, Conn W 7

SUMMER SCHOOL OF ARTS AND SCIENCES

(July 2 to August 11, 1917)

Total number of Students	771
Men	287
Women	484

A list of students was published and may be had on application to the
 Director of the Harvard Summer School, 19 University Hall, Cambridge

GRADUATE SCHOOL OF MEDICINE

(Summer Session, June 1 to September 30, 1917, inclusive)

Total number of Students	135
Men	114
Women	21

GENERAL SUMMARY

OFFICERS OF INSTRUCTION AND ADMINISTRATION

CORPORATION	7	
OVERSEERS	28	
TEACHERS —		
Professors	145	
Associate Professors	16	
Assistant Professors	86	
Lecturers	42	
Associates	26	
Instructors	247	
Austin Teaching Fellows	18	
Tutors, Teaching Fellows, and Fellows for Research	25	
Assistants	204	
Professors, Associate Professors, and Assistant Professors in the Affiliated Institutions	44	853
Deduct for names counted more than once	39	814
PREACHERS	5	
CURATORS, DIRECTORS, AND LIBRARY OFFICERS	82	
BUSINESS OFFICERS	16	
PROCTORS AND OTHER OFFICERS	61	

STUDENTS

I. FACULTY OF ARTS AND SCIENCES —		
1 COLLEGE —		
Senior Class	215	
Junior Class	359	
Sophomore Class	446	
Freshman Class	559	
Unclassified Students	77	
Out-of-Course Students	25	1681
2. GRADUATE SCHOOL OF ARTS AND SCIENCES —		
Travelling Fellows	10	
Resident Students	286	296
3. SPECIAL STUDENTS		39
II. GRADUATE SCHOOL OF BUSINESS ADMINISTRATION —		
Second-Year Students	30	
First-Year Students	37	
Unclassified Students	4	
Special Students	22	93
III. FACULTY OF ARCHITECTURE —		
1. SCHOOL OF ARCHITECTURE		18
2. SCHOOL OF LANDSCAPE ARCHITECTURE		7
IV BUSSEY INSTITUTION		6
Carried forward		2140

GENERAL SUMMARY

225

	Brought forward . .	2140	
V. MINING SCHOOL		1	
VI ENGINEERING AND MINING		591	
VII DIVINITY SCHOOL —			
Resident Graduate Students	20		
Middle Class	1		
Junior Class	2		
Unclassified Students	3		
Andover Students	16		
Boston University School of Theology Students	11		
Episcopal Theological School Students	3		
Newton Theological Institution Students	3	59	
VIII. LAW SCHOOL —			
Resident Graduate Students	5		
Third-Year Students	75		
Second-Year Students	89		
First-Year Students	96		
Unclassified Students	31	296	
IX FACULTY OF MEDICINE —			
1 MEDICAL SCHOOL —			
Candidate for Degree of Dr P H	2		
Fourth Class	94		
Third Class	98		
Second Class	98		
First Class	94	386	
2. DENTAL SCHOOL —			
Graduate Student	1		
Third-Year Students	79		
Second-Year Students	87		
First-Year Students	42		
Special Students	2	211	
Total		3684	
X. UNIVERSITY EXTENSION —			
1 SUMMER SCHOOLS OF 1917 —			
Arts and Sciences	771		
Graduate School of Medicine	135	906	
2. SCHOOL FOR HEALTH OFFICERS		14	
Total, including University Extension, but deducting 89 for persons registered both in the summer of 1917 and in the academic year 1917-18		4515	

GEOGRAPHICAL DISTRIBUTION OF STUDENTS¹

UNITED STATES	College	Grad Sch of Arts and Sciences	Spec Students under Fac of Arts and Sci	Grad Sch of Business Administration	School of Architecture	School of Landscape Architecture	Bussey Inst'n — Grad Sch of Appl Biology	Mining School	Engineering and Mining	Dairym	Law	Medical	Dental	Total
Alabama	3	3							1		2	1	1	11
Alaska	1								1					2
Arizona												1		1
Arkansas	3											1		4
California	18	6		1			1		6	2	6	5		45
Colorado	15	4					1		3		5	8		36
Connecticut	31		1	1					19	1	6	17	9	85
District of Columbia	13								5		2	1		21
Florida	2	1							1		1	3		8
Georgia	2								2		2	9	1	17
Hawaii	2								1					6
Idaho	2											2		5
Illinois	51	6		1	6				10	3	9	8		93
Indiana	15	7		1	1				2		10	7	2	44
Iowa	11	4		5	5					4	3	3	1	36
Kansas	4	1		3							2	1	1	12
Kentucky	5	2									2			9
Louisiana	2	3							1					7
Maine	17	4		2					7		8	15	19	72
Maryland	9	2							1		5			17
Massachusetts	945	108	24	25	10	2			350	29	74	155	123	1845
Michigan	7	2		2		1			6	1	7	2	1	27
Minnesota	11	6			3						4	7	1	32
Mississippi			1						1					2
Missouri	21	6		1					8		5	4		45
Montana	2			1					1				1	5
Nebraska	9	1							1		4	2	1	18
Nevada	1													1
New Hampshire	25	6		1					10	1	1	6	7	57
New Jersey	42	4	1				1		12	2	15	5	3	85
New Mexico	2			1										3
New York	202	21	2	7	1	1			27	3	14	28	3	315
North Carolina	1	2							2		7	5		17
North Dakota	2	1	1						9		1			5
Ohio	63	12	2	6		2		1		3	15	10	1	124
Oklahoma	3	3							1		1	2	1	11
Oregon	8	1		3					2		3	3		20
Pennsylvania	55	14	1	2	1	1			9	1	20	11	1	116
Philippine Islands		1												1
Porto Rico									2		3			5
Rhode Island	12	1	1	2					8		9	19	10	62
South Carolina	5	2		2					3		4	3		19
South Dakota		1												1
Tennessee	1				2				1		7	1	1	13
Texas	4	3		1					5		3	6		22
Utah	4	1		2					1		4	4		16
Vermont	3	2		1					6		4		9	25
Virginia	3	3							3		2	1		12

¹ Not including students registered in the department of University Extension.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

UNITED STATES, <i>cont</i>	College	Grad Sch of Arts and Sciences	Spec Students under Fac of Arts and Sci	Grad Sch of Business Administration	School of Architecture	School of Landscape Architecture	Bussey Inst'n — Grad Sch of Appl Biology	Mining School	Engineering and Mining	Divinity	Law	Medical	Dental	Total
Washington	8	2		2			1				2	3		18
West Virginia	1	2		1										6
Wisconsin	9	2			1				3		3	10		28
Wyoming								1	1			1		2
FOREIGN COUNTRIES	1665	250	34	81	18	7	4	1	532	50	282	370	197	3491
Africa, South													4	4
Albania	1								1					2
Argentine Republic									2			3		3
Armenia		1												2
Australia	1													1
Bolivia									3					1
Brazil														3
British West Indies											1	1		2
Bulgaria		1												1
Canada	2	5		2					3	3	4	5	1	25
Chile		7												7
China	6	20		7			2		21		4	4		64
Colombia		1							1					1
Cuba	1								2					4
Ecuador									1					1
Egypt		1												1
England		2												3
France	1									1				2
Germany	1		1								1			2
Greece	2								1		1			4
Guatemala													1	1
Honduras									2					2
Hungary											1	1		2
India		3								1		1		5
Japan		10	1	2					6		1			21
Mexico	1		1						1		1	1		4
New Zealand										1				1
Norway			2						2					4
Palestine									1					1
Paramaribo													1	1
Russia									1					1
Serbia		1												1
Siam											1	1		2
Spain													1	1
Sweden		1		1					2					4
Syria										1				1
Turkey		1								1		2	2	7
Uruguay									1					1
Total	1631	46	39	12	18	7	2	1	59	9	14	16	14	193
	1681	296	39	93			6		591	59	296	386	211	3684

HOLDERS OF FELLOWSHIPS AND SCHOLARSHIPS

HARVARD COLLEGE

The following names of holders of Scholarships and other financial aids in Harvard College are arranged in three groups, in accordance with votes of the Faculty of Arts and Sciences. Some of the students in the Class of 1918 received their degrees in 1917.

The first group of holders of Scholarships is made up of those undergraduates whose work in the preceding College year entitles them to "very high academic distinction." No student is admitted to this group until his record for the preceding year, in all his courses, has been carefully inspected and the question of his fitness has been submitted to every one of his teachers. Only very high grades in his studies and concurrent testimony in his favor from a sufficient number of his teachers enable the Committee on Scholarships and other Aids for Undergraduates to recommend him for a position in the first group.

John Harvard Scholarships are given only to students deemed worthy of a position in the first group.

GROUP I

HENRY ALPERN, '19,	<i>Price Greenleaf</i>
EMANUEL AMDURSKY, '18,	<i>John Harvard</i>
JAMES WATERHOUSE ANGELL, '18,	<i>John Harvard</i>
JOHN PERRY BALLANTINE, '18,	<i>Saltonstall</i>
GERALD RUGGLES BARRETT, '20,	<i>Ruluff Sterling Choate</i>
ALFRED LEOPOLD BENJAMIN, '20,	<i>John Harvard</i>
HARRIS BERLACK, '20,	<i>Matthew and Mary E. Bartlett</i>
CLARENCE CRANE BRINTON, '19,	<i>Class of 1802</i>
JOHN JOSEPH BROOKS, '18,	<i>John Harvard</i>
HENRY FASSETT CASTLE, '20,	<i>John Harvard</i>
BURTON LOVELL CHADWICK, '20,	<i>Bigelow</i>
WALTER GUSTAVE OTTO CHRISTIANSEN, '18,	<i>Charles Haven Goodwin</i>
LEO MAX DAVIDOFF, '20,	<i>Croqumsheld</i>
HALLOWELL DAVIS, '18,	<i>John Harvard</i>
WILLIAM ALLEN DENKER, '20,	<i>Matthews</i>
JOHN SOPER DOLE, '18,	<i>John Harvard</i>

ROBERT EPHRAIM ECKSTEIN, '20,	<i>Anonymous</i>
CLARENCE WALTER EFROYMSON, '19,	<i>John Harvard</i>
ROBERT ELMAN, '19,	<i>Price Greenleaf</i>
CHARLES CLIFTON FICHTNER, '20,	<i>Charles Elliott Perkins</i>
GEORGE FRIEDMANN, '19,	<i>Price Greenleaf</i>
JOSEPH GOLDMAN, '19,	<i>Matthews</i>
THOMAS HAROLD GREENBERG, '19,	<i>Price Greenleaf</i>
HENRY VINCENT FOX, '18,	<i>John Harvard</i>
LAWRENCE PERCIVAL HALL, '20,	<i>John Harvard</i>
HORACE GOODWIN KILLAM, '18,	<i>John Harvard</i>
MALCOLM KINGSBERG, '20,	<i>John Harvard</i>
NORMAN MCKEE LANG, '19,	<i>John Harvard</i>
RUDOLPH ERNEST LANGER, '18,	<i>Toppan</i>
HARRY JOSHUA LEON, '18,	<i>Farrar</i>
ARTHUR WILLIAM MARGET, '20,	<i>Price Greenleaf</i>
JOHN WILLIAM MERTEN, '20,	<i>Julius Dexter</i>
SAMUEL MUFSON, '20,	<i>Class of 1883</i>
WILLIAM PRESTON PALMER, '18,	<i>John Harvard</i>
SAMUEL REZNECK, '19,	<i>Price Greenleaf</i>
EARL BRYAN SCHWULST, '19,	<i>Addison Brown</i>
MAURICE SMITH, '19,	<i>Bigelow</i>
THEODORE KING SELKIRK, '18,	<i>John Harvard</i>
MERRILL TEN BROECK SPALDING, '20,	<i>Lucy Osgood</i>
LESLIE MILLER SWOPE, '18,	{ <i>Bowditch</i>
	{ <i>Palfrey Exhibition</i>
GRANTLEY WALDER TAYLOR, '18,	<i>John Harvard</i>
HAROLD CALVERT TINGEY, '19,	<i>Price Greenleaf</i>
HAROLD THEODORE TISDALE, '19,	<i>Nathaniel Ropes, Jr.</i>
REXFORD SAMPLE TUCKER, '18,	<i>Morey</i>
PAUL DRANE VAN ANDA, '20,	<i>Jacob Wendell</i>
ALLEN LEE WHITMAN, '18,	<i>John Harvard</i>
DAVID VERNON WIDDER, '20,	<i>Slade</i>

GROUP II

The second group is made up of students of marked excellence who have not attained a position in the first group Harvard College Scholarships are given only to students deemed worthy of a position in the second group.

JOSEPH BERTRAM ABRAMS, '18,	<i>Hilton</i>
GORDON WILLARD ALLPORT, '19,	<i>Bowditch</i>
AARON SOLOMON ARONSON, '20,	<i>C. L. Jones</i>
RICHARD MERRIAM BAKER, '18,	<i>Harvard College</i>
ARTHUR LESLIE BARBER, '20,	<i>Robert F. Manning</i>

230 HOLDERS OF FELLOWSHIPS AND SCHOLARSHIPS

RICHARD HORACE BASSETT, '20,	<i>Class of 1856</i>
GEORGE MERRILL PRESCOTT BATCH- ELDER, '20,	<i>Harvard College</i>
SIDNEY MEYER BERGMAN, '20,	<i>Clement Harlow Condell</i>
DAVID BERMAN, '20,	<i>Bowditch</i>
WARREN EVERETT BLAKE, '20,	<i>Bowditch</i>
HOWARD WALLER BOAL, '18,	<i>Harvard College</i>
DAVID SAMUEL BOND, '19,	<i>Bowditch</i>
BENJAMIN ALBERT BOTKIN, '20,	<i>Bowditch</i>
LOWELL BRENTANO, '18,	<i>Harvard College</i>
MYRON FRANKLIN BRIGHTFIELD, '19,	<i>Harvard College</i>
ADOLPH BROOK, '20,	<i>Clement Harlow Condell</i>
ALBERT HOWARD BUMP, '18,	<i>Matthews</i>
POWELL MASON CABOT, '18,	<i>Harvard College</i>
HERMAN CAPLAN, '19,	<i>Harvard College</i>
FREDERICK MASON CAREY, '20,	<i>Bowditch</i>
ROBERT PIERCE CASEY, '19,	<i>Matthews</i>
HORACE MARSH CHADSEY, '18,	<i>Bowditch</i>
ROBERT MYRON COHEN, '18,	<i>Kirkland</i>
HENRY DUNSTER COSTIGAN, '20,	<i>Harvard College</i>
ALBERT FRANCIS CUMMINGS, '19,	<i>Bright</i>
JOHN JOSEPH CURRY, '19,	<i>Daniel A Buckley</i>
MERLE EUGENE CURTI, '20,	<i>Clement Harlow Condell</i>
EDWIN BAXTER DAMON, '19,	<i>Bright</i>
HERMAN DANA, '18,	<i>Harvard College</i>
DAVID DAVIS, '18,	<i>Harvard College</i>
JACOB DAVIS, '19,	<i>Class of 1835</i>
MALCOLM HOWARD DILL, '20,	<i>Harvard College</i>
RICHARD GEORGE WALKER DONALDSON, '19,	<i>Bright</i>
JOHN COOKE DOWD, '20,	<i>Morey Willard Buckmunster</i>
WALTER FREDERICK EASTMAN, '20,	<i>Robert F Manning</i>
WILLIAM NORMAN ELTON, '20,	<i>Selwyn Lewis Harding</i>
MORTON SCOTT ENSLIN, '19,	<i>Holles</i>
JOHN PATRICK FAHY, '19,	<i>Class of 1863</i>
HARRY HYMAN FEIN, '19,	<i>Bowditch</i>
JACOB FINE, '20,	<i>Burr</i>
JOSEPH BERTRAM FISCHER, '20,	<i>Bowditch</i>
PAUL BEECHER FLANDERS, '20,	<i>Bowditch</i>
ABRAM ELLIS FRIEDMAN, '19,	<i>Class of 1841</i>
CARLTON PERRY FULLER, '19,	<i>William Whiting</i>
EDWARD PARKER FURBER, '19,	<i>Harvard College</i>

KENNETH SAFFORD GASTON, '18,	<i>Harvard College</i>
RUSSELL GEROULD, '20,	<i>Dana of the Class of 1852</i>
ARTHUR CHEW GILLIGAN, '18,	<i>Matthews</i>
EVERETT FRANK GORDON, '20,	<i>Clement Harlow Condell</i>
SAMUEL TOBIAS GORDY, '18,	<i>Charles Wyman</i>
ARTHUR OSCAR GREENBERG, '20,	<i>C L Jones</i>
EDWIN GREENE, '19,	<i>Harvard College</i>
WILLIAM CHARLES GUAY, '18,	<i>Harvard College</i>
RICHARD M GUDEMAN, '19,	<i>Harvard College</i>
WILLIAM HETTLEMAN, '19,	<i>Class of 1856</i>
IRWIN SEYMOUR HOFFER, '18,	<i>Harvard College</i>
ROBERT HOFFMAN, '19,	<i>Warren H Cudworth</i>
WILLIAM COLLAR HOLBROOK, '20,	<i>George Emerson Lowell</i>
OLIVER NELSON HOLLIS, '18,	<i>Harvard College</i>
FREDERICK WILLIAM HOLMES, '19,	<i>Sewall</i>
JOSEPH HORBLIT, '18,	<i>Bowditch</i>
VERNAM EDWARD NUNNEMACHER	
HULL, '19,	<i>Harvard College</i>
MYER ISRAEL, '18,	<i>C L Jones</i>
CLINTON MCCARTHY JONES, '20,	<i>Shimman</i>
HENRY DONALDSON JORDAN, '18,	<i>Harvard College</i>
LOUIS BERTRAND KEANE, '18,	<i>Crowninshield</i>
BENJAMIN KELSON, '20,	<i>Borden</i>
PAUL PARK KROTZER, '18,	<i>Charles Elliott Perkins</i>
JOSIAH MANUEL LANGENTHAL, '19,	<i>Matthews</i>
OLIVER WATERMAN LARKIN, '18,	<i>Juhan Henry Reinherz</i>
MORRIS LOUIS LEVINE, '18,	<i>Harvard College</i>
JACOB LEVY, '18,	<i>Harvard College</i>
JOHN LARKIN LINCOLN, 2d, '19,	<i>Harvard College</i>
PUTNAM CROCKER LLOYD, '20,	<i>Harvard College</i>
JOSEPH LOW, '18,	<i>Harvard College</i>
MARTIN LUTHER LUESSENHOP, '19,	<i>Class of 1856</i>
FRANCIS BENEDICT MCCONAUGHY, '19,	<i>Bowditch</i>
BERNARD JONATHAN MATTUCK, '18,	<i>Matthews</i>
GEORGE MENDELSON, '19,	<i>Kirkland</i>
JAY PIERREPONT MOFFAT, '19,	<i>Harvard College</i>
KENNETH ORNE MYRICK, '18,	<i>Mary Salionstall</i>
JOSEPH BARIN NATHAN, '20,	<i>Harvard College</i>
JOHN THOMAS NOONAN, '19,	<i>Matthews</i>
FRANCIS PARKMAN, '19,	<i>Harvard College</i>
BENJAMIN CHUTE PERKINS, '19,	<i>Sewall</i>
SAMUEL MOSES POLLACK, '20,	<i>Burr</i>

RUSSELL LEE POTTER, '20,	<i>Markoe</i>
OLIVER PRESCOTT, Jr, '20,	<i>Harvard College</i>
CHARLES TREGO PRINDEVILLE, '18,	<i>Harvard College</i>
MORRIS JACOB RABINOVITZ, '18,	<i>Bowditch</i>
LAURANCE RICHARDSON, '19,	<i>Bowditch</i>
MYRON TURNER RICHARDSON, '19,	<i>Bright</i>
CARL NELSON SCHMALZ, '19,	<i>Matthews</i>
FRANCE VINTON SCHOLES, '19,	<i>Bowditch</i>
MAYO ADAMS SHATTUCK, '19,	<i>George Newhall Clark</i>
WILLIAM ALLISON SHIMER, '18,	<i>Harvard College</i>
CHESTER WARREN SMITH, '19,	<i>Matthews</i>
LELAND WILLIAM SMITH, '20,	<i>Burr</i>
LUTHER WESLEY SMITH, '19,	<i>Mary Saltonstall</i>
MELVILLE MACHOL SMITH, '20,	<i>Edward Russell</i>
ROYALL HENDERSON SNOW, '20,	<i>William Whiting</i>
WILLIAM ELLSWORTH SPAULDING, '19,	<i>Harvard College</i>
HOWARD BURNHAM SPRAGUE, '18,	<i>Harvard College</i>
BORIS STERN, '18,	<i>C L Jones</i>
MAX STOLZ, '20,	<i>Harvard College</i>
JACOB JOSEPH TUTUN, '20,	<i>Burr</i>
BENJAMIN ULIN, '20,	<i>Harvard College</i>
HENRY BELLIS VAN FLEET, '20,	<i>Matthews</i>
SAMUEL WALDSTEIN, '18,	<i>Barilett</i>
LEONARD DAVID WEISS, '20,	<i>Thomas William Clarke</i>
LEWIS EDES WARD, '19,	<i>Harvard College</i>
HAROLD PALMER WATJEN, '18,	<i>Harvard College</i>
DONALD GREELEY WHITE, '20,	<i>Class of 1828</i>
EDWIN CHAMBERLIN WHITTEMORE, '19,	<i>C L Jones</i>
SAUL YESNER, '19,	<i>George Fisher and Elizabeth Huntington Fisher</i>
CHARLES GIBSON YUNGBLUT, '20,	<i>Bowditch</i>

The following list contains the names of undergraduates not registered in the College in the year 1917-18 whose records for the previous year would have won them scholarships. Many of these men are in National Service

GROUP I

CHARLES WILLARD CARTER, Jr, '20	SYDNEY HOOPER HALL, '19
HORACE BANCROFT DAVIS, '20	JOHN BLAUVELT HOPKINS, '19
PAUL RICE DOOLIN, '20.	EMERY NELSON LEONARD, '20
STEPHEN ALBERT FREEMAN, '19	MARTIN S SWANSON, '18
FREDERICK MORTIMER GRAVES, '20.	ROBERT FULTON WEBB, Jr, ocC
EZEKIEL WOLF, '18.	

GROUP II

WILLIAM HARTNELL BARTLETT, '18,	KENNETH HERBERT LANOUEETTE, '19
EDWARD BERNARD BENJAMIN, '18,	DELMAR LEIGHTON, '19
WESLEY GOODWIN BROCKER, '20.	JAMES NATHANIEL MCCLURE, '18
CHARLES WARREN BUSH, '18	WILLIAM FORD MANLEY, '20
RANDOLPH KUNHARDT BYERS, '18	EDWIN FRANCIS MELVIN, '18.
WILLIAM BOSWORTH CASTLE, '18	CHARLES LANE POOR, Jr., '18.
RICHARD WILTON CLARKE, '18	ROBERT CROCKETT RAND, '19
MALCOLM COWLEY, '19.	ELWYN STANTON RUSSELL, '19
HARRY HERBERT DAMPMAN, '18	FREDERIC COMMODORE SCHLEY, '19.
BERNARD AUGUSTINE DeVOTO, '18	HARRIS ELLIS SKWER, '18
WINSLOW ALVAN DUERR, '20	SAMUEL ABBOT SMITH, '18.
ELLIOTT MANSFIELD GRANT, <i>ocC</i> .	WILLIAM TOWNSHEND SNOW, '18
RALPH EDWARD GREENE, '20	ALBERT HENRY STONESTREET, '18.
RALPH HUBERT HAMMOND, '19	AARON DAVIS WELD, '18.
WINDSOR ARNOLD HOSMER, '18.	BULKELEY LIVERMORE WELLS, '19.

GROUP III

JAMES ANSELM BEAUDRY, '19	RICHARD HAZEN KIMBALL, '18
BEN BENNETT CORSON, '19.	WARREN FRANCIS MANNING, '20
ARTHUR LAWRENCE CUNNINGHAM,	RAYMOND ELWOOD NEAL, '19.
'18,	ISADOR SIMON, '19

GROUP III

The third group is made up of students to whom financial aid has been awarded on grounds of special claim

THEODORE SEWALL ABBOT, '20,	<i>Elnathan Pratt</i>
JOSEPH MANUEL ARONSON, '18,	<i>Class of 1844</i>
BYRNE ELMER BALDWIN, '21,	<i>Harvard Club of Michigan</i>
JULIAN PALMER BEEK, '21,	<i>Harvard Club of Minnesota</i>
JAMES ROEDER BELL, '21,	<i>Harvard Club of Cleveland</i>
CARL ARTHUR BENANDER, '21,	<i>Harvard Club of Boston</i>
BYRON ROBERT BENTLEY, '20,	<i>Harvard Graduates Living in</i>
	<i>Milton, Massachusetts</i>
ROBERT TYNG BUSHNELL, '19,	<i>Rebecca A Perkins</i>
FRANCIS JOHN CAREY, '21,	<i>Harvard Club of Boston</i>
KENNETH CHASE, '19,	<i>Bassett</i>
PAUL POND COGGINS, '21,	<i>Harvard Club of Boston</i>
ANDREW FISHER CRAFTS, '19,	<i>Ebenezer Rockwood Hoar</i>
CHARLES EARLE DEAN, '21,	<i>James A Rumrill</i>

WILLIAM AMOS DEFLEER, Jr., '21,	<i>Harvard Club of Western Pennsylvania</i>
EDWIN WALLACE DONALD, '21,	<i>Harvard Club of Lynn</i>
KENNETH GORDON DONALD, '21,	<i>Charles Sumner</i>
NATHAN LINCOLN DRAKE, '20,	<i>Walcott</i>
SETON RAND DROPPERS, '20,	<i>Abbot</i>
STILLMAN ROBERTS DUNHAM, Jr., '19,	<i>Burr</i>
HENRY STARK FERRISS, '18,	<i>Class of 1844</i>
JOSEPH GALANIE, '21,	<i>Daniel A. Buckley</i>
HIRAM BERTELLE GERBOTH, '21,	<i>Harvard Club of Portland</i>
VICTOR JOSEPH GIRARDI, '21,	<i>Harvard Club of Worcester</i>
LOUIS JUDAH GORDON, '19,	<i>Burr</i>
GORDON GUNTHER, '21,	<i>Harvard Club of St. Louis</i>
HENRY ROCKWELL HAINES, '21,	<i>Harvard Club of San Francisco</i>
LEWELLYN HALL, '20,	<i>Swift</i>
NORMAN LOWRIE HATCH, '21,	<i>Philadelphia</i>
DAVID SAMUEL HERMAN, '21,	<i>Harvard Club of New Jersey</i>
LESLIE CHARLES HILL, '18,	<i>Matthews</i>
WARREN JOEL HOOSE, '21,	<i>Harvard Club of Cleveland</i>
SAMUEL KAPLOWITZ, '18,	<i>Class of 1844</i>
STANLEY HERBERT JOHNSON, '20,	<i>Matthews</i>
JOHN RAYMOND KELLEY, '21,	<i>Daniel A. Buckley</i>
ROBERT BENNING KING, '21,	<i>Harvard Club of Boston</i>
ROLAND SEWALL KREBS, '21,	<i>Harvard Club of Maryland</i>
HERBERT FREDERICK KREIMER, '19,	<i>Burr</i>
ISAAC HENRY KUTZ, '19,	<i>Henry Bromfield Rogers</i>
GEORGE EDGAR LADD, Jr., '20,	<i>William Reed</i>
PAUL KINNEY McELROY, '20,	<i>Story</i>
HENRY NORWELL MacINTYRE, '18,	<i>Joseph Eveleth</i>
CAMDEN HOGG McVEY, '21,	<i>Daniel A. Buckley</i>
GEORGE AUGUSTINE MADIGAN, '19,	<i>Harvard Club of Rochester, N. Y.</i>
JORGE VALENTIN MANACH, '21,	<i>Daniel A. Buckley</i>
JAMES HILTON MARR, '21,	<i>Harvard Club of Boston</i>
JOSEPH MARTIN, '21,	<i>Harvard Club of Taunton</i>
SIDNEY ALFRED MONTAGUE, '21,	<i>Harvard Club of Connecticut</i>
GARABED NAZAR MOUSHEGHIAN, '21,	<i>Harvard Club of Lowell</i>
DANIEL FOLLMER NOLL, '21,	<i>Daniel A. Buckley</i>
SIMON NORMAN, '19,	<i>Sales</i>
CHARLES LOUIS NUNNEKER, uC.	<i>Harvard Club of Cincinnati</i>
RUSSELL POPE PLACE, '18,	<i>Daniel A. Buckley</i>
WILLIAM CLEMENT PLUNKETT, '18,	<i>Bassett</i>
BENJAMIN FISHER POLLACK, '19,	<i>Sever</i>
WILLIAM LLOYD PROSSER, '18,	<i>Wendell Phillips Memorial</i>

HAROLD WARNER QUIMBY, '18,	<i>Joseph Eveleth</i>
JOHN AUGUSTINE REDMOND, '21,	<i>Daniel A. Buckley</i>
GEORGE DANIEL REYNOLDS, '21,	<i>Daniel A. Buckley</i>
ERNEST HARRY ROBINSON, '20,	<i>Bassett</i>
LEONARD WILLIAM ROUDA, <i>uC</i>	<i>Harvard Club of Cincinnati</i>
CHARLES ANDREW RUPP, J1, '19,	<i>Browne</i>
ALLAN ABRAHAM SANDBERG, '19,	<i>Orlando W. Doe</i>
BRUNO SCHLACK, '21,	<i>Philadelphia</i>
EMIL JACOB SCHNEIDER, '21,	<i>Harvard Club of Boston</i>
PHILIP NELSON SCHUYLER, '21,	<i>Matthews</i>
LOUIS SCHWARTZ, '21,	<i>Daniel A. Buckley</i>
BENJAMIN CHARLES SCULLY, Jr., '19,	<i>Daniel A. Buckley</i>
WILLIAM ERNEST SHAEFER, '18,	<i>Joseph Eveleth</i>
RALPH BURNHAM SHAW, '21,	<i>Daniel A. Buckley</i>
WINTHROP RUSSELL SHEPARD, '21,	<i>William Merrick</i>
JOHN REX SHEPLER, '21,	<i>Matthews</i>
HERMON DUNLAP SMITH, '21,	<i>Dunlap Smith</i>
BENNETT SOLOMON, '19,	<i>Sales</i>
FRANKLIN CHESTER SOUTHWORTH, Jr., '20,	<i>Augustus Woodbury</i>
OLIVER CROMWELL STAMPER, '21,	<i>James A. Rumrill</i>
CARROLL FREDERICK SULLIVAN, '21,	<i>Harvard Club of Lowell</i>
HARRINGTON PIERCE THURSTON, '21,	<i>Daniel A. Buckley</i>
HERMAN WILLIAM TOEPKE, '21,	<i>Harvard Club of Cincinnati</i>
JOHN JOSEPH TOOBY, '21,	<i>Daniel A. Buckley</i>
SUMNER BAILEY TOYE, '18,	<i>Benjamin D. Greene</i>
WILLIAM ROBERT WADDEN, '21,	<i>Daniel A. Buckley</i>
CARLOS JULIUS WARNER, '21,	<i>Harvard Club of Cleveland</i>
FREDERICK BORDEN WILCOX, '21,	<i>Harvard Club of Fall River</i>
HENRY WISE, '18,	<i>Class of 1814</i>

SCHOLARSHIPS AWARDED IN THE MIDDLE OF THE ACADEMIC YEAR
1916-17

CHUNGTAO TAHMY CHU, '17,	<i>Lucy Osgood</i>
LEO MAX DAVIDOFF, '20,	<i>Crownnsfield</i>
PAUL RICE DOOLIN, '20,	<i>Class of 1867</i>
PAUL BEECHER FLANDERS, '20,	<i>Thomas Hall</i>
LEO CLEMENT HIGGINS, <i>uC</i>	<i>Harvard Club of Newburyport</i>
EMERY NELSON LEONARD, '20,	<i>Thomas Hall</i>
JACOB LEVY, '18,	<i>Boston Newsboys'</i>
ARTHUR WILLIAM MARGET, '20,	<i>Mary L. Whitney</i>
JOHN WILLIAM MERTEN, '20,	<i>Mary L. Whitney</i>
LELAND WILLIAM SMITH, '20,	<i>Connecticut Valley Harvard Club</i>

FREDERICK SHELDON PRIZE FELLOWSHIPS

(Appointments for 1917-18)

HOWARD GORDON BENNETT, A.A

MAX BRANDWENE

GRADUATE SCHOOL OF ARTS AND SCIENCES

FELLOWSHIPS

Edward Austin Fellowships

KENNETH ELLMAKER APPEL.

ALBERT JOHN HETTINGER, Jr

EMERY DAVIS EDDY

FREDERICK MERK

Ozias Goodwin Memorial Fellowship

JOHN LAWRENCE TEARE

William Watson Goodwin Fellowship

LESTER MARSH PRINDLE

Harris Fellowship

BARTHOLOW VINCENT CRAWFORD

John Harvard Fellowships

CHUNGTAO TAHMY CHU

CHAN-CHAN TSOO

John Thornton Kirkland Fellowship

ALDEN BENJAMIN DAWSON

Henry Lee Memorial Fellowship

JOSEPH BRADLEY HUBBARD.

Elkan Naumburg Fellowship

CARL KEISTER MCKINLEY

Parker Fellowship

DWIGHT ELMER MINNICH.

Henry Bromfield Rogers Memorial Fellowship

BYRON EDWARD UNDERWOOD, Jr.

Philip H Sears Scholarship

YUEN REN CHAO.

Frederick Sheldon Fellowships

JOSEPH PETER CONNOLLY	HAROLD ST JOHN
WILLIAM JOHN CROZIER	RAY ETHAN TORREY
RAPHAEL DEMOS	NENZO UTSURIKAWA
ALBERT RICHARD CARL HAAS	JOHN HENRY WILLIAMS

Thayer Fellowships

JAMES LOCKHART MURSELL	ALWIN THALER
PAUL BIGELOW SCHAEFFER	ARTHUR FRANKLIN WHITE

John Tyndall Scholarship

KANG-FUH HU.

Christopher M. Weld Scholarship

JOHN CUNYUS HODGES

Willard Scholarship

BENJAMIN HARRISON LEHMAN

SCHOLARSHIPS

Austin

ERNEST JAMES JAQUA
 THOMAS COOKE MCCrackEN.
 ROGER PHILIP MCCUTCHEON
 WARREN EDWARD MONTSIE
 HORACE WILSON MORELOCK
 EDWIN BRAY PLACE.
 JOHN LESLIE PURDOM
 FRANK MILLER RARIG.
 ARNOLD HORREX ROWBOTHAM
 CHARLES EDGAR TORBET
 NEWMAN IVEY WHITE

Charles Elliott Perkins

MARCUS LEE HANSEN

James Savage

ARCHIVER JOHN STRAIT.

Shattuck

EDGAR COLBY KNOWLTON
 ROBERT IRVING LITTLE
 DAVID SHERMAN MORSE.
 FORREST HAMILTON MURRAY
 JOHN JOSEPH SAVAGE
 WALTER SILZ.

George W. Dullaway Fellowship
 WILLIAM GRESSER.

George H. Emerson

CO-CHING CHU
 JOSEPH PETER CONNOLLY

Thayer

WILLIAM MOORE CRAIG
 ROBERT FRANCIS KELLEY
 GEORGE EARLE WILSON
 CHARLES HENRY WOOLBERT.

Virginia Barret Gibbs

CLEVELAND SYLVESTER SIMKINS.

238 HOLDERS OF FELLOWSHIPS AND SCHOLARSHIPS

Townsend

ARCHIE WILMOTTE LESLIE BRAY
DURAND APPLETON HALL
VASIL OBRESHKOV
TIPTON RAY SNAVELY

ARTHUR DANIEL JACOBSEN
ALFRED EDWIN LONGUEIL
JOHN RICHARDSON MILLER
GEORGE BLANCHARD PHILLIPS
JOHN RHODES QUARLES
VANGALA SIVA RAM
VANGEL KONSTANTINE SUGAREFF
BENJAMIN UCHITELLE
PHILIP FRANCIS WEATHERILL
THAMES ROSS WILLIAMSON
MATSUSABURO YOKOYAMA

University

GEORGE MARIEVE ARSOVE
ROBERT EARLE BACON
CARL FREMONT BRAND
BENJAMIN CROCKER CLOUGH
JOHN WILLIAM DRAPER
JAMES ARMSTRONG DUNCAN

Scandinavian

EDWARD CHARLES EHRENSPERGER
ERLE FAIRFIELD.

FRANS EDVARD HUBERT VELANDER

Whiting Fellowship

GREGORY HANKIN

KSHITISH CHANDRA BASU

DUNCAN CLARK HYDE

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

(Appointments for 1916-17)

Buckley Scholarships

CLEMENT TAGGART BATES
WILLARD SAMUEL PUTNAM

JAMES SPENCER LOVE

SCHOOL OF ARCHITECTURE

TRAVELLING FELLOWSHIPS

Julia Amory Appleton Fellowship

PHILETUS CLARKE KNOWLTON, Jr *
(Appointed for 1917-18)

LLOYD MELVILLE HENDRICK, Jr *
(Appointed for 1915-16)

Nelson Robinson Jr Fellowship

LAURENCE ELDRED MOWERY †
(Appointed for 1914-15)

JEAN VERNON WILSON *
(Appointed for 1916-17)

SCHOLARSHIPS

Austin in Architecture

KENNETH JOHN CONANT

WALTER STAFFORD VAUGHAN

Joseph Eveleigh in Architecture

CARL PETER TEIGEN

* Fellowship postponed

† Mr Mowery took advantage of the fellowship during the year 1916-17 and has been reappointed for the year 1917-18

<i>University</i>	<i>Special Student</i>
ALMUS PRATT EVANS, JR	CARL WILLIAM LARSON.
FREDERICK STILLMAN KINGSBURY	DUNCAN McLACHLAN, JR
RALPH CARVER ROUDEBUSH	TRAVIS GOWER WALSH.

SCHOOL OF LANDSCAPE ARCHITECTURE

Charles Eliot Travelling Fellowship

ELBERT PEETS

SCHOLARSHIPS

Austin in Landscape Architecture

SAMUEL DANFORD ZEHRUNG

Bright

WILLIAM RICHARD SEARS

University

HARRY JAY WALLACE.

BUSSEY INSTITUTION

Anna C Ames Scholarship

WOON YOUNG CHUN.

George H Emerson Scholarship

KARL SAX

Priscilla Clark Hodges Scholarship

ALFRED CHARLES KINSEY

Bliss Scholarship

ELWOOD IDELL TERRY

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Joseph Eveleigh Scholarship

HUBERT WALTER COLLINS

DIVINITY SCHOOL

(Appointments for 1916-17)

Williams Fellowships

JAMES THAYER ADDISON.

ERNEST LAUER.

240 HOLDERS OF FELLOWSHIPS AND SCHOLARSHIPS

Edward Hopkins's Students of Divinity

RALPH HALL COLLIS	CONINGSBY MATHIESON GORDON
DOUGLAS HILARY CORLEY	MERRILL JACOB HOLMES
RALPH MARSHALL DAVIS	WALTER ARTHUR MAIER

Scholarships

WILLIAM ARTHUR BERRIDGE,	{ <i>Kimball</i>
	{ <i>Cary</i>
ABNER CARROLL BINDER,	<i>Jackson</i>
FRANK STANTON BURNS GAVIN,	<i>Jackson</i>
	{ <i>Buttrick</i>
	{ <i>Jonas H Kendall</i>
	{ <i>Nancy Kendall</i>
	{ <i>Pomroy</i>
HABIB IBRAHIM KATIBAH,	<i>Jonas H Kendall</i>
GEORGE SALIM KUKHI,	<i>Willrams</i>
FRANCIS SCOTT MACKENZIE,	<i>Willrams</i>
SHIBLY DAIBES MALOÛF,	<i>Clapp</i>
GEORGE MANIFOLD,	<i>Jackson</i>
GARABED MANOUG MISSIRIAN,	<i>Buttrick</i>
RAYMOND FRANK PIPER,	<i>Founders'</i>
JOHN FRANKLIN REED,	<i>Buttrick</i>
JAMES WALTER REYNOLDS,	<i>Buttrick</i>
JAY WEST THOMPSON,	<i>Chapman</i>
CHRISTIE GEORGE TOKAS,	{ <i>Clapp</i>
WILSON EZRA VANDERMARK,	{ <i>Jackson</i>
	{ <i>Cary</i>
ROBERT JOHN WYNNE,	{ <i>Jackson</i>

LAW SCHOOL

Faculty Scholarships

CARL HARRY BAESLER	ARTHUR ROBERT LEWIS
WILLIAM RILEY COOK	GEORGE FRANKLIN LUDINGTON.
WILFRED BEEBER FEIGA.	WILLIAM EDWARD MASTERSON
JAMES LEROY HANDFORD	GEORGE EDWARD OSBORNE.
JOHN ALFORD HANNA.	SOLOMON PHILLIPS PERLMAN.
CLIFFORD CARPENTER HEER.	HYMEN WILLIAM RADOVSKY.
MAURICE KLEIN.	HERBERT RINGHOFFER.
ISIDOR LAZARUS.	JOSEPH TALAMO

SAMUEL HENRY WORKMAN.

Langdell Scholarships

IRVIN HENRY FATHSCHILD. GEORGE JARVIS THOMPSON

William Stanislaus Murphy Scholarships

CLIFTON MURPHY MICHAEL EDWIN MURPHY

Samuel Phillips Prescott Fay Scholarship

JOHN MICHAEL RUSSELL

George Fisher Scholarship

C FLETCHER QUILLIAN

Victor Emanuel Chapman Fellowship

PIERRE AYMÉ-MARTIN

Sears Prizes

PAUL PINCUS COHEN LLOYD HAROLD LANDAU.
RICHARD CARY CURTIS DONALD CLINTON SWATLAND

MEDICAL SCHOOL

(Appointments for 1916-17)

John Harvard Fellowships

REGINALD MYERS ATWATER, FRANCIS BROWN BERRY.
SAMUEL AYERS, JR FRANK GARM NORBURY
LYMAN GILDER RICHARDS

Scholarships

MAURICE ADELMAN,	<i>George Haven</i>
STUART WELSH ADLER,	<i>Francis Skinner Fund</i> ($\frac{1}{2}$)
ROBERT WINSPEER ANGEVINE,	<i>Joseph Eveleth, No 1</i> ($\frac{1}{2}$)
VERNON ALEXANDER AYER,	<i>Lewis and Harriet Hayden</i> ($\frac{1}{2}$)
CHARLES WESLEY BLACKETT, JR	<i>William Otis Johnson</i>
JOSEPH BOCH,	<i>Joseph Eveleth, No. 3</i> ($\frac{1}{2}$)
ARTHUR GORDON BOGGS,	<i>Lucius F. Bullings</i> ($\frac{2}{3}$)
FRANCIS JERVOIS CALLANAN,	<i>Hilton, No 1</i> ($\frac{1}{2}$)
ALFRED CYRIL CALLISTER,	<i>E. M. Barringer, No 2</i>
GLENN EVAN CHELEY,	<i>David Williams Cheever</i>
ERNEST MERRILL DALAND,	<i>Joseph Eveleth, No. 1</i> ($\frac{1}{2}$)
HUBERT MORTON ENGLISH,	<i>Hilton, No. 1</i> ($\frac{1}{2}$)
HENRY SUMNER FINKEL,	<i>George Haven</i>
GILBERT ELLIS GAYLER,	<i>Buckley</i>
PHILLIPS FOSTER GREENE,	<i>Hilton, No 2</i> ($\frac{1}{2}$)

LEON CLIVE HAVENS,	<i>John Thomson Taylor</i>
CHARLES WILLIAM HUTCHINSON,	<i>Alfred Hosmer Lunder</i>
ALBERT SOLOMON HYMAN,	<i>Joseph Eveleth, No. 2 ($\frac{1}{2}$)</i>
CHARLES HAROLD JAMESON,	<i>Joseph Eveleth, No. 3 ($\frac{1}{2}$)</i>
HRANT SETRAG KEBABJIAN,	<i>Hilton, No. 1 ($\frac{2}{3}$)</i>
WILLIAM ROBERT KING,	<i>Charles Pratt Strong</i>
JOSEPH MICHAEL LOONEY,	<i>George Haven</i>
NORMAN WILEY LOUD,	<i>Joseph Eveleth, No. 2 ($\frac{1}{2}$)</i>
MOSES HYMAN LURIE,	<i>Claudius M Jones</i>
DON DEE LYON,	<i>George Haven</i>
FRANK PATRICK McNAMARA,	<i>Hilton, No. 2 ($\frac{4}{5}$)</i>
HOWARD BENNETT MARBLE,	<i>George Haven</i>
JOHN ROSS MARSHALL,	<i>E M. Barringer, No. 1</i>
RALPH EDWARD MERRILL,	<i>George Haven</i>
JOHN BOWE MOLONEY,	<i>Orlando W Doe</i>
FRANKLIN AUGUSTUS MYERS,	<i>Lewis and Harriet Hayden ($\frac{1}{2}$)</i>
ERNEST OMAR NAY,	<i>Lucius F Billings ($\frac{2}{5}$)</i>
BENEDICT OLCH,	<i>John Foster Fund ($\frac{2}{3}$)</i>
EUGENE EVERETT O'NEIL,	<i>George Haven</i>
WILLARD COLE RAPPLEYE,	<i>Joseph Pearson Olver</i>
BRUCE BOWMAN ROBINSON,	<i>Francis Skinner Fund ($\frac{1}{3}$)</i>
ELI CHARLES ROMBERG,	<i>George Haven</i>
KAKUTARO THOMAS SASANO,	<i>Francis Skinner Fund ($\frac{1}{3}$)</i>
WILLIAM ELLIOTT SAVAGE,	<i>George Haven</i>
WINTHROP DAVIS SCUDDER,	<i>George Haven</i>
ADOLPH SHOENFIELD,	<i>John Foster Fund ($\frac{1}{3}$)</i>
DWIGHT LEWIS SISCO,	<i>Cotting Gift ($\frac{1}{3}$)</i>
JUDSON ARTHUR SMITH,	<i>Lucius F Billings ($\frac{1}{3}$)</i>
ALFRED JULIAN STEINBERG,	<i>Cotting Gift ($\frac{2}{3}$)</i>
RAYMOND DURGIN STILLMAN,	<i>Francis Skinner Fund</i>
CLAUDIUS AUGUSTUS STREET,	<i>Edward Wigglesworth</i>
MILTON VICTOR VELDEE,	<i>Charles B Porter</i>
SIDNEY HERTZ WEINER,	<i>George Haven</i>
EDWARD SAWTELLE WELLES,	<i>Isaac Sweetser</i>
ROY RUSSELL WHEELER,	<i>George Haven</i>
WAYNE ADDISON YOAKAM, \	<i>George Haven</i>

PRIZES, HONORS, AND DEGREES AWARDED IN 1916-17

PRIZES

DETURS

Class of 1918

JAMES WATERHOUSE ANGELL	HORACE GOODWIN KILLAM
JOHN PERRY BALLANTINE	WILLIAM PRESTON PALMER.
WALTER GUSTAVE OTTO CHRISTIAN-SEN.	THEODORE KING SELKIRK
	EZEKIEL WOLF

Class of 1919

ROBERT ELMAN	THOMAS HAROLD GREENBERG
GEORGE FRIEDMANN	SYDNEY HOOPER HALL
JOSEPH GOLDMAN	NORMAN MCKEE LANG

Class of 1920

GERALD RUGGLES BARRETT	CHARLES CLIFTON FICHTNER
ALFRED LEOPOLD BENJAMIN	FREDERICK MORTIMER GRAVES
HARRIS BERLACK	LAWRENCE PERCIVAL HALL
CHARLES WILLARD CARTER, Jr	MALCOLM KINGSBERG
HENRY FASSETT CASTLE.	EMERY NELSON LEONARD
BURTON LOVELL CHADWICK	ARTHUR WILLIAM MARGET
LEO MAX DAVIDOFF	JOHN WILLIAM MERTEN
HORACE BANCROFT DAVIS	SAMUEL MUFSON.
WILLIAM ALLEN DENKER	MERRILL TEN BROECK SPALDING.
PAUL RICE DOOLIN	PAUL DRANE VAN ANDA
ROBERT EPHRAIM ECKSTEIN	DAVID VERNON WIDDER

Candidate for Degree Out of Course

ROBERT FULTON WEBB, Jr

FACULTY OF ARTS AND SCIENCES

THE BOWDOIN PRIZES

FOR DISSERTATIONS IN ENGLISH

Undergraduate Prizes

To HENRY VINCENT FOX, of the Junior Class, a second prize of \$100 for an essay entitled *The Treaty of Mortefontaine*

To JAY PIERREPONT MOFFAT, of the Sophomore Class, a second prize of \$100 for an essay entitled *Anglo-French Relations from Fashoda to Algceiras*

To MAX BRANDWENE, of the Senior Class, a second prize of \$50 for an essay entitled *Carlyle's Conception of Poetry*

Graduate Prize

To SELIG HECHT, S B, a third-year student in the Graduate School of Arts and Sciences, a prize of \$200 for an essay entitled *The Physiology of the Blood System of Ascidra atra Lesueur*.

Honorable Mention in Competition for Bowdoin Prizes

The Committee on Bowdoin Prizes, in accordance with the vote of the Faculty of Arts and Sciences, have recommended the following essays, submitted in competition for Bowdoin Prizes, for consideration in the award of scholarships and degrees with distinction (honorable mention):—

HAROLD SHEPHERD BENNETT, of the Senior Class, *A Comparison of the Lyric Poetry of Morike and Heine, with reference to the Principles of Lessing's "Laokoon."*

LOUIS BROWDY, an Out-of-Course Student, *The Humanity of Wordsworth*.

EDWARD SEGUIN COUCH, an Unclassified Student, *Romulus Augustus: an Attempted Interpretation*.

LOUIS DU BOIS LE FEVRE, of the Senior Class, *The Political Theories of Thomas Carlyle*.

EDWARD WEISSBUCH, of the Sophomore Class, *The United States of Europe. A Gateway to Universal Peace*.

JAMES MANDELBAUM WOLF, of the Freshman Class, *The Social and Psychological Basis of Language*.

FOR DISSERTATIONS IN LATIN

Undergraduate Prize

To HARRY JOSHUA LEON, of the Junior Class, a prize of \$50 for a translation into Latin of a passage in Ralph Adams Cram's *Heart of Europe*

Graduate Prize

To WILLIAM CHASE GREENE, A M., a third-year student in the Graduate School of Arts and Sciences, a prize of \$100 for an original composition in Latin entitled *Quid de poetis Plato censuerit*

THE BOYLSTON PRIZES FOR ELOCUTION

Second Prizes of \$20 each

To LOWELL BRENTANO, of the Junior Class

To WALTER LLEWELLYN BULLOCK, of the Senior Class

To VERNON BROWN KELLETT, of the Junior Class

THE PASTEUR MEDAL

To LOWELL BRENTANO, of the Senior Class, the medal awarded to the successful contestant in an annual debate on a subject drawn from contemporary French politics, subject, "*Resolved, That the French Government should take by taxation all excess profits made by French manufacturers and tradesmen because of the War*"

Judges: Professor C N. GREENOUGH, Professor E E DAY, and Dr R L HAWKINS Professor CESTRE, of the University of Bordeaux, presided

THE COOLIDGE DEBATING PRIZE

To JULIAN HENRY SPITZ, of the Senior Class, a prize of \$100 for the best work throughout the trials for the Harvard-Yale-Princeton Intercollegiate Debates.

LEE WADE II PRIZES

To VERNON BROWN KELLETT, of the Junior Class, a first prize of \$25.

To MAYO ADAMS SHATTUCK, of the Sophomore Class, a second prize of \$15.

To WALTER LLEWELLYN BULLOCK, of the Senior Class, a third prize of \$10.

THE SALES PRIZE

To JOHN JOSEPH BROOKS, of the Junior Class, a prize of \$45 for a translation into Spanish of a passage from Washington Irving's *Conquest of Granada*.

Honorable Mention

To JACOB LEVY, of the Junior Class, for a translation into Spanish of the same passage.

Judges: Professor J. D. M. FORD and Professor A F. WHITEM

THE PHILIP WASHBURN PRIZE

To JOHN MICHAEL CONNOLLY, of the Senior Class, a prize of \$75 for a thesis entitled *The Relations between the United States and Europe during the Spanish-American War*

TOPPAN PRIZE FOR GRADUATE STUDENTS

To NILES CARPENTER, Jr, A M, a first-year student in the Graduate School of Arts and Sciences, a prize of \$200 for an essay entitled *Pending Legislation in Massachusetts and Control of Housing Conditions through State Legislation and State Control of Local Administration*

Judges: Professor C H McILWAIN, Professor R H LORD, and Dr J S DAVIS

THE DAVID A WELLS PRIZE

To CLARENCE HENRY HARING, Ph.D., a prize of \$500 for a thesis entitled *Trade and Navigation between Spain and the Indies in the Time of the Hapsburgs*.

THE RICARDO PRIZE SCHOLARSHIP

To NORMAN JOHN SILBERLING, A M., a fourth-year student in the Graduate School of Arts and Sciences, a prize of \$350

In place of Robert Leopold Wolf, A B., resigned.

THE LLOYD MCKIM GARRISON PRIZE

To BRENT DOW ALLINSON, of the Junior Class, a prize of \$100 and a silver medal for a poem entitled *To Josiah Royce*

THE SARGENT PRIZE

To JOHN DRAPER EVANS, of the Freshman Class, a prize of \$100 for the best metrical translation of the sixteenth ode of the second book of Horace

Honorable Mention

To WARREN EVERETT BLAKE, of the Freshman Class

To MERRILL TEN BROECK SPALDING, of the Freshman Class.

THE GEORGE B SOHIER PRIZE

To HAROLD SHEPHERD BENNETT, of the Senior Class, one-half of a prize of \$250 for a thesis entitled *A Comparison of the Lyric Poetry of Morike and Heine, with Reference to the Principles of Lessing's "Laokoon."*

To WALDO CUTLER PEEBLES, of the Senior Class, one-half of a prize of \$250 for a thesis entitled *Swedenborg's Influence on Goethe*.

Honorable Mention

To MAX BRANDWENE, of the Senior Class, for a thesis entitled *Carlyle's Conception of Poetry*

THE JEREMY BELKNAP PRIZE

To JOHN WILLIAM MERTEN, of the Freshman Class, a prize of \$50 for a translation into French of a passage from Mark Twain's *Joan of Arc*

Judges Professor C H C WRIGHT, Dr. R L HAWKINS, and Mr. G L LINCOLN

THE HARVARD MENORAH SOCIETY PRIZE

To MAX JULIUS MEYER, of the Junior Class, a prize of \$100 for an essay entitled *The Jewish Immigration from Roumania to the United States*

Honorable Mention

To WILLIAM MAURICE SILVERMAN, of the Junior Class, for an essay entitled *The Jew in Modern American Fiction*

Judges Professor ISRAEL FRIEDLANDER, of New York, and Professor D. G LYON and Professor J R JEWETT

SUSAN ANTHONY POTTER PRIZE IN COMPARATIVE LITERATURE

To JAMES BUELL MUNN, A M, a fifth-year student in the Graduate School of Arts and Sciences, a prize of \$100 for an essay entitled *The Development of Plot and Characterization in Early Greek and Early Elizabethan Tragedy, with Especial Reference to the Work of Aeschylus and Marlowe*

SUSAN ANTHONY POTTER PRIZE IN SPANISH LITERATURE

To FORREST BOND WING, of the Senior Class, a prize of \$75 for an essay entitled *A Character Study of Lope de Vega and His Works*

Honorable Mention

To LOUIS BERTRAND KEANE, of the Junior Class, for an essay entitled *The Poetry of Garcilaso de la Vega*

Judges Professor A F WHITTEM, Professor C R POST, and Professor E F. LANGLEY of the Massachusetts Institute of Technology

OLD TESTAMENT PRIZE

To JOSIAH MANUEL LANGENTHAL, of the Sophomore Class, a prize of \$50 for a special written examination showing the best acquaintance with the contents of the Old Testament.

THE WISTER PRIZE

TO LEWIS EDES WARD, of the Sophomore Class, a prize of \$35

THE FRANCIS BOOTT PRIZE IN MUSICAL COMPOSITION

TO CARL KEISTER MCKINLEY, Mus B, of the Senior Class, a prize of \$100 for a Sacred Cycle in Four Numbers, entitled *The Christ*

Honorable Mention

TO HOWARD GORDON BENNETT, A A, of the Senior Class

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

THE MAY PRIZES

TO WILLIAM BROWN RICKETTS, A B, a second-year student, a first prize of \$100 for his thesis, *A Policy Problem Relating to the Branch Stock Rooms of a New England Manufacturing Company*

TO JOHN WILLIAM LEREW, A B, a second-year student, a second prize of \$50 for his thesis, *A Taylor System Tool Room for the Ashton Valve Company.*

HONORS AND OTHER DISTINCTIONS

SECOND-YEAR HONORS

In the Classics

HAROLD THEODORE TISDALE	Highest Honors
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FINAL HONORS

In the Classics

JAMES PAUL WARBURG	Honors
CHARLES LAWTON SHERMAN	Highest Honors

In English

THEODORE LITCHFIELD BAILEY	Honors
MAX BRANDWENE	Highest Honors.
WILLIAM THEOPHILUS GUNRAJ	Highest Honors.
THOMAS PAUL RAYSOR	Highest Honors

In Literature

Especially Latin and French

WALTER LLEWELLYN BULLOCK	Honors
HENRY CHESTER LAMOND	Honors
GEORGE PAUL SLADE	Honors
ADDISON LEMAN GARDNER, Jr	Highest Honors.

Especially Greek and French

WALTER MARSHALL HORTON	Highest Honors
CHARLES LAWTON SHERMAN	Highest Honors.

Especially Greek and German

BASCOM HURT TORRANCE	Honors.
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In French and other Romance Languages and Literatures

WILLIAM RAY ASHFORD	Honors.
LAWRENCE MEYER LEVIN	Honors.
FLETCHER JOHNSON TOWLERTON	Highest Honors.

In Germanic Languages and Literatures

FRANCIS MORTON CURRIER

Honors.

WALDO CUTLER PEEBLES

Honors

HAROLD SHEPHERD BENNETT

Highest Honors

WALTER SILZ

Highest Honors

In Mathematics

THOMAS SIEGER DERR

Honors.

RONALD MARTIN FOSTER

Highest Honors.

DEGREES WITH DISTINCTION

In Biology

Cum Laude

HSIN HSUAN CHUNG.

Magna cum Laude

MAX MASER ZINNINGER

In Chemistry

Cum Laude

MICHAEL BERMAN

WILLIAM OSBERT BROOKS

DOUGLAS CAMPBELL

PHILIP LORD CARRET

THEODORE CLARK

MAXWELL ABRAHAM COHEN

LOUIS DLUGG

ATHERTON KINSLEY DUNBAR

MYRON GUREN

WILLIAM THOMAS HUTCHINSON

HARRY ROSE.

ARTHUR EASTERBROOK WHITEMORE

IRVING CHAMBERLIN WHITEMORE

In the Classics

Magna cum Laude

JAMES PAUL WARBURG

Summa cum Laude

CHARLES LAWTON SHERMAN.

In the Classics and

Philosophy

Summa cum Laude

WALTER MARSHALL HORTON

In Economics

Cum Laude

HAROLD NATHAN BREGSTEIN

GEORGE DAVID HIRSCH

JOHN JOSEPH MORIARTY.

GEORGE FRANCIS NOLTE

LOUIS RUDNER.

WALTER WRIGHT WEBSTER

Magna cum Laude

HERBERT HAUGHTON BELL.

JOHN SOPER DOLE

Summa cum Laude

CHUNGTAO TAHMY CHU.

In Engineering Sciences

Cum Laude

EDWARD ALDEN FREEMAN.

CLARENCE DEAN HANSCOM.

ROGERS BRUCE JOHNSON.

Magna cum Laude

HORACE GOODWIN KILLAM.

In English

Cum Laude

HAROLD STEPHEN ANDERSON.

ALEXANDER COOPER

JOSEPH MILTON FRENCH.

Magna cum Laude

THEODORE LITCHFIELD BAILEY

JOHN WILMON BREWER.

Summa cum Laude

MAX BRANDWENE.
WILLIAM THEOPHILUS GUNRAJ
THOMAS PAUL RAYSOR

*In Fine Arts**Cum Laude*

GUSTAV HERMANN KISSEL
MELVILLE FOLSOM WEBBER.

Summa cum Laude

LEONARD OPDYCKE

*In French and other
Romance Languages
and Literatures*

Cum Laude

JOHN JOSEPH BROOKS
FRANCIS HIGGINSON CABOT, Jr

Magna cum Laude

WILLIAM RAY ASHFORD
LEWIS EDWARD BRETT.
LAWRENCE MEYER LEVIN

Summa cum Laude

FLETCHER JOHNSON TOWLERTON

*In Geology**Cum Laude*

GILBERT FREDERICK HART

Magna cum Laude

THOMAS HENRY CLARK.

*In Germanic Languages
and Literatures*

Magna cum Laude

FRANCIS MORTON CURRIER
WALDO CUTLER PEEBLES.
SAUL LEO SEINIGER.

Summa cum Laude

HAROLD SHEPHERD BENNETT.
WALTER SILZ

*In Government**Cum Laude*

SUMMERFIELD BALDWIN, 3d.
THEODORE LANG .
LEONARD SOLON LEVY.
JOSEPH LOW
ALBERT ELMER MARKS.
LLOYD GEARY EVANS REILLY.
EDWARD CYRIL WYNNE, LL.B.

Magna cum Laude

ABE ROBERT GINSBURGH

*In History**Cum Laude*

ROBERT MORRIS BENJAMIN
JOHN MICHAEL CONNOLLY.
HENRY CLEMENT GILL
WILLIAM LATIMER GRAY.
WILLIAM GRESSER
JAMES CAMPBELL McMULLIN.
ARTHUR ALAN SAYRE

Magna cum Laude

LOUIS DU BOIS LE FEVRE

*In History and Literature**Especially Greek**Magna cum Laude*

PERCIVAL SPURR HOWE, Jr.
CHARLES LAWTON SHERMAN.

*In Literature**Especially Latin and French**Magna cum Laude*

WALTER LLEWELLYN BULLOCK
ADDISON LEMAN GARDNER, Jr
HENRY CHESTER LAMOND.
GEORGE PAUL SLADE.

*Especially Greek and French**Summa cum Laude*

WALTER MARSHALL HORTON

CHARLES LAWTON SHERMAN

*In Mathematics and**Education**Cum Laude*

ARTHUR LEON SCHUR

*Especially Greek and German**Magna cum Laude*

BASCOM HURT TORRANCE.

Magna cum Laude

HOWARD GORDON BENNETT, A A

CARL KEISTER MCKINLEY, MUS.B

*In Mathematics**Cum Laude*

ALFRED SIGER ANDERSON

YU CHING WEN

*In Philosophy**Cum Laude*

GEORGE WASSER.

Magna cum Laude

NATHANIEL D HIRSCH

Magna cum Laude

THOMAS SIEGER DERR

*In Physics**Magna cum Laude*

HUGO RUDOLF SCHMITT.

Summa cum Laude

RONALD MARTIN FOSTER.

Summa cum Laude

JAMES HARVEY TOWNSEND.

DEGREES

ON FEBRUARY 26, 1917, DEGREES WERE CONFERRED AS FOLLOWS —

A B.

Shreve Ballard	Walter Staunton Mack, Jr
Nelson Fell	Robert Perry Rodgers.
William Tillinghast Gorton	Willard Sears Simpkins
Clarence Hurd Lane	Philip Slepian.
George Eliot Leighton.	Edward Forbes Smiley
	Francis Minot Weld

A B *cum Laude*

George Colket Caner	Raymond Hugh Franzen
	Jackson Edmund Towne.

A B (*Out of Course*)

Ralph Wilder Brown, *cum laude*, as of the class of 1906
William Denis Foley, as of the class of 1911.
Howard Corneal Shaw, as of the class of 1913
Donald Stuart Campbell, as of the class of 1915
Carl Sumner Fleming, as of the class of 1915
Victor Levine, as of the class of 1915.
Wallace Campbell, as of the class of 1916
Chung Heng Chen, as of the class of 1916
Theodore Lambert DeCamp, as of the class of 1916
Edward Vincent Flanagan, as of the class of 1916
David Dewey Greene, as of the class of 1916
Robert Frederick Herrick, Jr, as of the class of 1916.
Richard Stuart Cutter King, as of the class of 1916.
Frank Earl Large, as of the class of 1916
Albert Fear Leffingwell, as of the class of 1916
Danforth Miller, as of the class of 1916
Angelo Giovanni Perez, as of the class of 1916
Livingstone Porter, as of the class of 1916

William Cary Sanger, Jr., as of the class of 1916
 Parker Fletcher Schofield, as of the class of 1916
 George William Sullivan, as of the class of 1916
 Wendell Townsend, as of the class of 1916
 Carl Otto Jordan Wheeler, as of the class of 1916

S B.

Frederick Robinson, Jr

Thomas Holden White

S B. (*Out of Course*)

Godfrey Priester, *cum laude in German*, as of the class of 1913
 Schuyler Dillon, as of the class of 1916

A M

George True Avery, A B. (*Univ. of Colorado*) 1915
 Willoughby Maynard Babcock, Jr, A B. (*Univ. of Minnesota*) 1914, A.M.
 (*ibid*) 1915
 Fred Krekel Bezenberger, S B (*St Louis Univ*) 1914
 Edwin Berry Burgum, A B (*Dartmouth Coll*) 1915
 Douglas Hilary Corley, A B. (*Bates Coll*) 1913, S T B (*Andover Theol Sem-*
inary) 1915, S T B (*Harvard Univ*) 1915
 Kenneth Glendower Darling, A B. (*Pomona Coll*) 1914.
 Richard Gregory Donahue, A B 1915.
 Bernard Gabiné, A B (*Leland Stanford Jr Univ*) 1913
 George Warren Gignilliat, Jr, A B (*Davidson Coll*) 1915
 John Hermiston Libby, A B (*Univ. of Colorado*) 1914
 Charles Edward McCorkle, PH.B. (*Ohio Univ*) 1909, A M. (*Clark Univ.*)
 1915
 Joseph Wylie MacNaugher, A.B 1915
 Philip Ainsworth Means, A.B. 1915
 Roy Cleveland Phillips, PH B. (*Brown Univ.*) 1915
 Vernon Blair Rhodenizer, A B (*Univ. of Manitoba*) 1913
 Robert Stanley Thomson, A.B. (*Brown Univ*) 1912
 Chan-Chan Tsao, A.B (*Univ. of California*) 1915.

PH D.

Sidney Fay Blake, A B 1913 (1912), A M 1913
Subject, Biology. Special Field, Botany
Thesis, "A Revision of the Genus Viguiera"

Charles Drechsler, S B. (*Univ. of Wisconsin*) 1913, S M. (*ibid.*) 1914.

Subject, Biology *Special Field*, Botany.

Thesis, "Studies on the Genus *Actinomyces*, with special Reference to its Development and Morphology"

Lester R Ford, A B (*Univ. of Missouri*) 1911, A M (*ibid.*) 1912, A M. (*Harvard Univ.*) 1913

Subject, Mathematics *Special Field*, Analysis

Thesis, "On Rational Approximations to an Irrational Complex Number"

Alfred Clarence Redfield, S B. 1914 (1913)

Subject, Biology *Special Field*, Zoology.

Thesis, "The Physiology of the Melanophores of the Horned Toad."

Russell McCulloch Story, A B (*Monmouth Coll.*) 1904, A M (*Harvard Univ.*) 1908

Subject, Political Science *Special Field*, Municipal Government

Thesis, "The Executive Office in American Cities"

A.A.

Paul Alexander Kober.

M.A.RCH

Howard Holmes Barton, A B. 1911

Millard Burr Gulick, A B 1913.

Philetus Clarke Knowlton, Jr., S.B in Arch (*Univ of Illinois*) 1914

D M.D.

Sidney Malcolm Akerstrom, A B
(*Dartmouth Coll.*) 1913

William Augustine Connelly.

Frank August Feuerhan.

Hymen Freed.

Wheeler Wendell McIntire

William Haven Sherburne.

Harold William Smith

Clifton Freeman Wheeler

M.D.

Charles Wesley Bressler, A B (*Univ. of Missouri*) 1913

Samuel Cline, S B 1911

Edgar Charles Cook, A B (*Lake Forest Coll.*) 1911.

Dennis Rider Wood Crile, S B (*Univ. of Wisconsin*) 1914.

Floyd Frost Hatch, A B (*Univ of Utah*) 1912.

John Sprague Hodgson, PH B. (*Brown Univ.*) 1912 (1911).

Carl Bibb Hudson, A B 1912 (1911)
 Elmer Turell Learned, A B. (*Yale Univ*) 1912
 William Rufus Redden, A B (*Bates Coll*) 1906
 George Wilson Van Gorder, A B (*Williams Coll*) 1911

LL B (*Out of Course*)

Danforth Geer, J1, A B (*Williams Coll*) 1911, as of the class of 1915
 John Raymond Higgins, A B. (*Clark Coll*) 1912, as of the class of 1915
 Myer Saidel, A B 1911, as of the class of 1915.
 Abram Hougendobler Young, A.B (*Albright Coll*) 1908, as of the class of 1915

S T.M

Albert Edward Hetherington, A B (*Manitoba Univ*) 1893, B D (*Victoria Coll, Toronto*) 1898

ON COMMENCEMENT DAY, JUNE 21, 1917, DEGREES WERE CONFERRED AS
 FOLLOWS —

A B

George Ezra Abbot	Earle Henry Bean
Thomas James Abernethy	Harold Reimers Bechtel
Arthur Williams Adams, Jr	Pierre Armand Bédard
Briggs Kilburn Adams	George Wheeler Benedict, Jr.
Austin Craig Alden.	Paul Cody Bentley
Charles Edgar Ames.	Louis Berman
Hubert Elmore Ames	Webster Sanderson Blanchard
Oliver Ames, Jr.	Henry Mather Bliss
Francis Inman Amory, Jr	Ernest Paul Bogle
William Channing Appleton, Jr.	Joseph Edmund Bradley
Adair Pleasants Archer.	Horace Orlando Bright
Frederik Francis van den Arend.	Vernon Howland Brown.
Charles Edward Arnold	Wilfred Jacobs Brown.
Justin Brooks Atkinson.	Lyscom Alonzo Bruce, Jr.
Joseph Atwood	Marshall Spelman Buell
Joseph White Austin	Gardner Whitman Bullard
Farnsworth Keith Baker.	Laurence Emanuel Bullard.
George Frederick Baker	Norman Elwell Burbidge.
Joshua Baker, Jr.	John Bright Burnham.
Robert Baldwin.	Chauncey Monroe Butler.
Amos Roberts Bancroft.	Henry Bromfield Cabot, Jr.

Harold Raymond Caley
 Alexander Abbot Cameron
 Rollo Dacres Campbell.
 Lawrence Henderson Canan
 Norman Bemis Chandler
 Walter Samuel Charak
 Philip Moen Childs
 Edward Strong Clark
 James Averell Clark
 John Dennis Coffey
 John Cohen
 Warren Hatch Conn
 Roland Miller Cook
 Amory Coolidge
 Frank Hammond Copeland.
 Herbert Bartlett Courteen
 Robert Nathan Cram
 Richard Zeigler Crane
 Joseph Lawrence Crowley
 Kenneth Pickens Culbert
 *Lincoln Clifford Cummings, Jr
 William Gerald Cummings
 Joe Vern Cummins
 Oswald Gordon Daly
 Blake Darling
 Eugene Leon Coates Davidson
 Bertie Witley Horsford Davis.
 Harold Homer Davis
 Milton Cornwell Davis
 Robert Howell Davison
 Francis Baylies Dean
 Charles Malcolm Derry
 Frederic Henry Dewart
 Donald Hardy Dorchester
 Frank Wakefield Dort
 Eric Alexander Douglas
 Charles Douglass
 Edward Wilfred Duggan
 Andrew Kershner Dunn
 James Phelan Dyer

Madison Parker Dyer.
 Thomas Hooper Eckfeldt, Jr.
 Karl Marx Elsh
 Elmer Morrison Ellsworth.
 William Smith Ely.
 George Beale Emmons, Jr
 Harry Morris Feinberg
 Thomas Knight Fisher
 Wallace Fleming
 William Vincent Joseph Ford.
 Alden Simonds Foss
 Francis Baring Foster.
 James Forsyth Foster, Jr
 Aristedes Anastos Fragopulos
 Clarence Sumner Freedman.
 Edward Philip Freedman.
 Eugene Galligan
 Stuart Needham Gardner
 Walter Grant Garritt, Jr
 Donald Smith Gates
 Harold Emery Gates
 Joseph Murphy Gazzam, Jr
 Maurice Patrick Geraghty
 Max Hans Christian Gersumky
 Warmoth Thomas Gibbs.
 John Richard Gilman
 Louis Samuel Goldberg
 Joel Addison Goldthwait
 Edward Philip Goodnow
 Joseph Gerard Green
 Benjamin Grosbayn
 Luther Prescott Grover
 Frederick Goodwin Guild.
 Henry Rice Guild
 Howard Redwood Guild, Jr
 Harry Miller Haeusler
 John Rohan Haley.
 Wallace Field Hamilton.
 John Stanley Harlow, Jr.
 José Calderon Harris.

* Died September 11, 1916 Certificate of work completed for degree awarded by vote of the Governing Boards of the University, September 25, 1916.

Richard Harte
Gordon Beale Hebb
Frank Joseph Heinz
Wilham Joseph Hever
William Lappen Hickey
Charles Higginson
Marland Cogswell Hobbs
Robert Lemuel Hobbs
Charles Henry Hodges, Jr
David Hoffman
Ulmont William Holly
James King Hoyt, Jr
James Windsor Hubbell
Roger Defriez Hunneman
Hurd Hutchins
Donald John Hutchinson
Francis Abbott Ingalls, Jr
Leslie Price Jacobs
William Tufts Jenney
Gregory Jones
Stephen George Jones.
James Joseph Kelley
Robert Chandler Kelley
Wilham Darrah Kelley, Jr
Alfred Hubbard Kellogg
William Joseph Kelly
Theodore Edward Kendrick
Daniel Joseph Kenefick, Jr
Richard Kerens Kenna
Daniel Roger Kenney
Winthrop Warren Kenney.
John Saxton Kent, Jr
Harold Livingston Kerr.
Alton Howe Kimball, Jr.
Carl Paul Kipp
Vesselin Guenov Kirov
Philip Klein
Robert Kloeber
Edward Jacob Kramer.
Charles Newcomb Ladd
Paul Revere Ladd.
Stephen Christian Lang.

Robert Keith Leavitt.
Robert Sanger Leland
Ernest Louis Leverone
Philip Curtis Lewis
Orlando R Lindesmith
Laurence Manuel Lombard.
Ellesley Waldo Long.
James Spencer Love
Douglas Gordon Lovell
Henry Carty Lynch.
William Riddle McAllaster.
Adrian James McDonald
José Antonio Machado, Jr.
Felix Mandelstam.
Samuel Joseph Mantel.
Paul Howard Means
William Henry Meeker.
John Melcher
Joseph Manley Mellen
Henry Whitney Minot
James Kennedy Moorhead.
John Stephen Moran
Hewitt Morgan.
William Carol Morgan.
Philip Reed Morss.
Eugene Evans Morton
Francis Lincoln Morton.
Isador Kern Moyse
Walter Kent Munroe
Walter Augustine Murray.
Otis Cushing Nash
Clifton Ellsworth Neal.
Mark Noble.
Irving Oberman
William Augustine O'Brien
Alan Grant Paine
Nelson Howard Partridge, Jr
Stephen Clough Peabody
Earl Alpha Peoples.
Arthur Osgood Phinney.
Lincoln Wallace Pierce.
Stearns Poor

Herman Willard Porter
 Allen Potter
 Gerald Sibley Pratt.
 Richard Kahle Prentice
 William P Thompson Preston
 Eugene Pearson Ramsay
 Howard Ridgway Randall.
 Clarence Searles Reed
 Harrison Gardner Reynolds
 Theodore Holton Rice
 Wyman Richardson
 Frederick Rieker
 Carroll Rikert
 Daniel Crosby Robinson
 Charles Abraham Rome.
 Archibald Bulloch Roosevelt.
 Richard Dupree Roquemore
 Max Roth.
 Albert Kendrick Rumsey
 George Alfred Sagar
 William Webb Sanders
 Joseph Halle Schaffner
 Louis Burton Schneider.
 James Frank Schwartz.
 LeRoy Newborg Schwartz.
 Ralph Edward Scribner.
 John Frederick Seal.
 Nelson Hathaway Seaver.
 Solomon Shuman.
 Lester Otis Simonds
 Eugene Nathaniel Siskind
 David Ellington Snodgrass
 Abraham Martin Sonnabend

Frederick Louis Stagg
 Eldon Guild Stanwood.
 William St. Agnan Stearns
 Theodore Ellis Stebbins
 Clement Kimball Stodder
 Herbert Francis Sullivan
 Joseph Charles Sullivan.
 William James Romeyn Taylor.
 Edward Augustus Teschner
 James Perry Thurber.
 Walter Irving Tibbetts
 Ned Troutman.
 Mordaunt Verne Turner
 Roger Browne Tyler.
 Walter William Van der Wolk
 Wilford Almon Walker
 Wallis Whiting Webber.
 Stuart Cary Welch
 William Edward Wellington
 William Merrill White.
 William Penn Whitehouse, 2d.
 Edward Allen Whitney.
 Joseph Edward Wholean
 Nathaniel White Wilcox
 Westmore Wilcox, Jr.
 Shepard Fisher Williams.
 Butler Roland Wilson, Jr
 Charles Paine Winsor
 Plenyono Gbe Wolo
 Arthur William Wright.
 Arthur Russell Wyzanski
 Robert Turner Young.
 Sydney Zanditon.

A.B. *cum Laude*

Robert Witbeck Babcock.
 Edwin Osborne Baker.
 Ernest Benshimol
 Wilbur Dare Canaday
 Herbert Paul Carter.
 Robert Strong Cook.
 Charles Allerton Coolidge, Jr.

Newton Prouty Darling.
 Jacob Adams Emery
 Claudius Ralph Farnsworth.
 Leopold Joseph Ferbstein.
 David Fisher.
 Noah Moses Gediman.
 George William Brown Hartwell.

Robert Silliman Hillyer	Arnold Stuart Potter
Stephen Bradshaw Ives	Hymen William Radovsky
Karl Frederick Jackson	Sydney James Rogers
Allan Ludvig Gustav Jensen	Sylvester Edward Rothchild, Jr
Norman Percy Johnson	Herbert Franklin Royal
Allen Lawson	Herbert Henry Scheier.
Abraham Simeon Levin	Samuel Louis Slosberg
Arthur Benjamin Lourie.	Julian Henry Spitz
Sidney Newton Morse.	Nathan Comfort Starr.
Paul Mynard Murdough	Clifford John Strachley
Gladwyn Kingsley Noble	Hunt Wentworth
William Ruprecht Osgood	James Clarke White, 2d
John Daniel Parson	Frederick Colburn Wilson.
John Winthrop Pennock	Forrest Bond Wing
Philip Dudley Woodbridge.	

A B *cum Laude**In a subject or related subjects*

Alfred Siger Anderson (<i>Mathematics</i>)	Clarence Dean Hanscom (<i>Engineering Sciences</i>)
Harold Stephen Anderson (<i>English</i>)	William Thomas Hutchinson (<i>Chemistry</i>)
Summerfield Baldwin, 3d (<i>Government</i>)	Gustav Hermann Kissel (<i>Fine Arts</i>)
Robert Morris Benjamin (<i>History</i>)	Theodore Lang (<i>Government</i>)
Michael Berman (<i>Chemistry</i>)	Leonard Solon Levy (<i>Government</i>).
William Osbert Brooks (<i>Chemistry</i>)	Albert Elmer Marks (<i>Government</i>)
Francis Higginson Cabot, Jr (<i>French and other Romance Languages and Literatures</i>)	John Joseph Moriarty (<i>Economics</i>).
Douglas Campbell (<i>Chemistry</i>)	George Francis Nolte (<i>Economics</i>)
Philip Lord Carret (<i>Chemistry</i>)	Lloyd Geary Evans Reilly (<i>Government</i>)
Theodore Clark (<i>Chemistry</i>).	Harry Rose (<i>Chemistry</i>).
Maxwell Abraham Cohen (<i>Chemistry</i>)	Louis Rudner (<i>Economics</i>)
John Michael Connolly (<i>History</i>)	Arthur Alan Sayre (<i>History</i>).
Alexander Cooper (<i>English</i>).	George Wasser (<i>Philosophy</i>).
Louis Dlogg (<i>Chemistry</i>)	Melville Folsom Webber (<i>Fine Arts</i>).
Joseph Milton French (<i>English</i>).	Walter Wright Webster (<i>Economics</i>).
Henry Clement Gill (<i>History</i>).	Yu Chung Wen (<i>Mathematics</i>).
William Gresser (<i>History</i>).	Irving Chamberlin Whittemore (<i>Chemistry</i>).
Myron Guren (<i>Chemistry</i>)	Edward Cyril Wynne, LL.B (<i>Union of California</i>) 1911 (<i>Government</i>)

A B *Magna cum Laude*

- | | |
|--|--|
| William Roy Ashford (<i>French and other Romance Languages and Literatures</i>) | Nathaniel D Hirsch (<i>Philosophy</i>) |
| Theodore Litchfield Bailey (<i>English</i>) | Percival Spurr Howe, Jr (<i>History and Literature, especially Greek</i>) |
| Herbert Haughton Bell (<i>Economics</i>) | Henry Chester Lamond (<i>Literature, especially Latin and French</i>). |
| Howard Gordon Bennett, A A (<i>Bradley Polytechnic Inst</i>) 1915 (<i>Music</i>) | Louis Du Bois Le Fevre (<i>History</i>) |
| Lewis Edward Brett (<i>French and other Romance Languages and Literatures</i>) | Lawrence Meyer Levin (<i>French and other Romance Languages and Literatures</i>) |
| John Wilmon Brewer (<i>English</i>) | Carl Keister McKinley, MUS B (<i>Knox Coll</i>) 1915 (<i>Music</i>) |
| Walter Llewellyn Bullock (<i>Literature, especially Latin and French</i>) | Waldo Cutler Peebles (<i>Germanic Languages and Literatures</i>) |
| Thomas Henry Clark (<i>Geology</i>) | Saul Leo Seiminger (<i>Germanic Languages and Literatures</i>) |
| Francis Morton Currier (<i>Germanic Languages and Literatures</i>) | George Paul Slade (<i>Literature, especially Latin and French</i>) |
| Thomas Siger Derr (<i>Mathematics</i>) | Bascom Hurt Torrance (<i>Literature, especially Greek and German</i>) |
| Addison Leman Gardner, Jr (<i>Literature, especially Latin and French</i>) | James Paul Warburg (<i>Classics</i>) |
| Abe Robert Gmsburgh (<i>Government</i>) | |
| Max Maser Zinninger (<i>Biology</i>) | |

A B *Summa cum Laude*

- | | |
|--|--|
| Harold Shepherd Bennett (<i>Germanic Languages and Literatures</i>) | Thomas Paul Raysor (<i>English</i>) |
| Max Brandwene (<i>English</i>) | Charles Lawton Sherman (<i>Classics, and Literature, especially Greek and French</i>). |
| Chungtao Tahmy Chu (<i>Economics</i>) | Walter Silz (<i>Germanic Languages and Literatures</i>) |
| William Theophilus Gunraj (<i>English</i>) | Fletcher Johnston Towlerston (<i>French and other Romance Languages and Literatures</i>) |
| Walter Marshall Horton (<i>Classics and Philosophy, and Literature, especially Greek and French</i>) | |
| Leonard Opdycke (<i>Fine Arts</i>) | |
| James Harvey Townsend (<i>Physics</i>) | |
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TO BE ENTERED IN THE QUINQUENNIAL CATALOGUE AS OF 1918

A B.

William Joseph Adams	Horace Preston Payne
Edward Benson Benedict	William Whitney Pinney
Charles Byron Blaisdell	Alfred Putnam
John Farwell Anderson Davis	Casimir de Rham
William Duscoll	Morris Rosenberg
Joseph Austin Erickson	John Edward Simon
Eli Ettinger	Linhart Stearns
Winthrop Wendell Harrington	Arthur Campbell Sullivan
David Israel Haskell	Otto Tirrell Wagner.
Thacher Jenney	John Linzee Weld
Gordon Lewis Johnson	Frederick West
Ewen Cameron MacVeagh	Abraham Max Wolfman
Philip Simmons York.	

A B *cum Laude*

Lucien Victor Alexis	Powell Mason Cabot
Julus Isidor Berns	Irwin Seymour Hoffer
Joel Townsley Rogers	

A B *cum Laude**In a subject or related subjects*

John Joseph Brooks (*French and other Romance Languages and Literatures*)
 Edward Alden Freeman (*Engineering Sciences*)
 Joseph Low (*Government*)

A B *Magna cum Laude*

John Soper Dole (*Economics*)
 Horace Goodwin Killam (*Engineering Sciences*)

A B. (*Out of Course*)

Philip Seymour Blumberg, as of the class of 1913.
 Samuel Stewart McCulloch, as of the class of 1913
 Arthur Morgan McEvoy, as of the class of 1913.
 Donald Estes Currier, as of the class of 1914
 William Lambert Myers, as of the class of 1914
 John Theodore Tunis, Jr., as of the class of 1914
 Edwin Frederick Cahill, as of the class of 1915.

Philip Thurston Cate, as of the class of 1915
 Clyde Roy Chandler, as of the class of 1915
 Robert Abbott Donahoe, as of the class of 1915
 Edward Gerald Kennedy, as of the class of 1915
 Howard Clinton Lane, as of the class of 1915
 John Edward McCauley, as of the class of 1915
 Louis Browdy, *magna cum laude and Honors in English*, as of the class of 1916
 Bernard Clayton Cartmell, as of the class of 1916
 Van Tuyl Clarkson, as of the class of 1916
 Henry James Coolidge, as of the class of 1916
 Winchester Winslow Everett, as of the class of 1916
 Hermann Hagen Howard, as of the class of 1916
 Guy Hunter Lee, *cum laude*, as of the class of 1916
 Hastings Seth Morse, *cum laude*, as of the class of 1916
 Sidney Burton Pfeifer, as of the class of 1916
 Frank William Thompson, *cum laude*, as of the class of 1916
 William Elliott Whitney, as of the class of 1916.
 George Low Williams, as of the class of 1916
 Harold Eugene Young, as of the class of 1916.

S B

Claude Abraham Adler.	Eben Howes Ellison, Jr.
Franklin Peveril Anton.	Leland Leroy Fitz.
George Washington Aldridge, Jr	Eldon Bruce Flu
Walter Lindsay Avery.	Harry Solomon Freedman
Louis Hasbrouck Bevier.	Russell Thurston Fry
Milton Hawkins Bird.	Charles Emmons Gill.
Will M Bliss.	Benjamin Joseph Ginsburg.
Henry Soule Bothfeld	du Val Radford Goldthwaite.
Hugh Sloan Boyd	Harold Byrd Hager.
Howard Washington Brown	John George Heinz
Randolph Randall Brown.	Clayton Leslie Henderson.
Patrick Joseph Callahan	John Patrick Higgins
William Henry Cantwell	Charles Edward Humphrey.
John Franklin Cover, Jr.	Walter Kittredge Hutchinson, Jr.
Lorenzo Barry Day.	Roderick Sparman Kimerer Irvin.
Harold Lewis Dayton.	Chester Craig Irving.
William Herbert Derbyshire.	Roderick Kennedy.
Roland Freeman Doane.	Gordon Congdon King
Charles Francis Eaton.	Joseph Edward Kline.

Kenneth Phillips McDearmott	Alpheus Edward Shaw
Taber Hasler Mahler.	Frank Joseph Simon
Samuel Greenwood Mitchell.	Edward Leo Sinclair
John Edward Parsons Morgan	Raymond Walker Stanley.
George Ayer Parsons	Willard Quincy Stanton.
Harold Otis Phalen	George William Tobin
Curt Paul Richter	Charles Lakeman Ward
Lucian Loring Rocke	Roderick Henderson Watkins
John Mather Rogers	Herbert Ames Weis
William Fleming Savàle	John Preston Wills

S.B. cum Laude

James Francis Callahan.	Harry Raphael Saftel.
Russell Leavitt	Blodgett Sage.
William Lester Mills.	John Albert Sargent
	Cornelius Ayer Wood.

*S.B. cum Laude**In a subject or related subjects*

Harold Nathan Bregstein (*Economics*)
Hsin Hsuan Chung (*Biology*).
Atherton Kinsley Dunbar (*Chemistry*)
William Latimer Gray (*History*).
Gilbert Frederick Hart (*Geology*).
George David Hirsch (*Economics*)
Rogers Bruce Johnson (*Engineering Sciences*).
James Campbell McMullin (*History*)
Arthur Leon Schur (*Mathematics and Education*)
Arthur Easterbrook Whittemore (*Chemistry*).

S B Magna cum Laude

Hugo Rudolf Schmitt (*Physics*).

S B. Summa cum Laude

Ronald Martin Foster (*Mathematics*)

TO BE ENTERED IN THE QUINQUENNIAL CATALOGUE AS OF 1918

S B

Jacob Levy

Richard Sise Tufts.

S B (*Out of Course*)Alcott Farrar Elwell, *cum laude*, as of the class of 1910

James Luchini, as of the class of 1914

Robert Lindley Gifford, as of the class of 1916

Henry Hyman Kitsis, as of the class of 1916

Francis Bartlett Manning, *cum laude*, as of the class of 1916.

Sidney Edwin Stuart, Jr., as of the class of 1916

Wilmot Whitney, as of the class of 1916

John Dodd Williams, as of the class of 1916

A M.

William Charles Theodore Adams, A M (*Univ of Minnesota*) 1904

Arthur Graham Aldis, A B 1917 (1916)

Richard Orland Atkinson, A B (*Mt. Allison Univ*) 1913, A M (*ibid*) 1915

Frederick Sayford Bacon, A B 1915

Donald Grove Barnes, A B (*Univ of Nebraska*) 1915Walter Scott Battlett, A B (*Univ of Wisconsin*) 1910, LL B (*Harvard Univ.*) 1913Arthur Christian Bender Baumann, A B (*Adelbert Coll of Western Reserve Univ*) 1915Stephen Grant Bean, S B (*Colby Coll*) 1905Wightman Samuel Beckwith, A.B (*Emory Coll*) 1909Ralph Philip Boas, A.B (*Brown Univ*) 1908, A M (*ibid*) 1910.Thomas Elza Breece, S B in Education (*Univ of Missouri*) 1910, A.B. (*ibid*) 1910Park Carpenter, A B. (*Carleton Coll*) 1913.McKeen Cattell, S B (*Columbia Univ*) 1914

Walter William Spencer Cook, A B 1911

Reginald Alex Cutting, A B 1914, S T B (*Newton Theol Institution*) 1916Levette Jay Davidson, A B (*Eureka Coll*) 1915, A M (*Univ of Illinois*) 1916Robert MacGregor Dawson, A B (*Dalhousie Univ*) 1915, A M (*ibid*) 1916Daniel Stark Dinsmoor, S B. (*Dartmouth Coll*) 1916Alfred Woodward Dodge, A B (*Pomona Coll*) 1916Henry John Doermann, A B (*Univ of Minnesota*) 1913.

Robert Gilman Dort, S B 1915

- Arthur Louis Dunham, A B. 1914.
 Joseph Dwight, A B 1914.
 James Roy Eckman, A B (*West Virginia Univ*) 1910
 Roy Ellis, A B (*Univ of Missouri*) 1914, S B in Education (*ibid*) 1914
 Lloyd Clement Emmons, A B (*Indiana Univ*) 1909
 Paul Milton Fulcher, A B (*West Virginia Univ*) 1916
 John Merriman Gaus, A B (*Amherst Coll*) 1915
 Harry Davis Gaylord, S B 1907
 Russel Mortimer Geer, A B (*Williams Coll*) 1916
 George Stephen Getchev, S M (*Syracuse Univ*) 1906, S T B (*Boston Univ*) 1909
 Manson Glover, A B 1911
 Roger Fulton Goss, A B (*Univ of California*) 1916
 Frank Dunstone Graham, A B (*Dalhousie Univ*) 1913, LL B (*ibid*) 1915
 Charles Augustus Guerne, A B (*Univ of Oregon*) 1912
 Woodford Broadus Hackley, A B (*Univ of Virginia*) 1914, A M (*North-western Univ*) 1916
 Gregory Henry Hankin, S B (*Coll of the City of New York*) 1916.
 Roger Douglas Harvey, A B 1915
 George Everett Hastings, A B (*Princeton Univ*) 1904, A M (*ibid*) 1912
 Acheson Laughlin Hensch, A B (*Lafayette Coll.*) 1912
 Joseph Paul Hettwei, A B (*Marquette Univ*) 1915, A M (*Catholic Univ of America*) 1916
 Frank Lewis Hewitt, S B (*Wesleyan Univ, Conn*) 1909
 Roy Claude Holl, A B (*Wabash Coll*) 1907
 Bennett Moorhead Hollowell, A B (*Oberlin Coll*) 1911.
 George Jacob Horowitz, A B (*Coll of the City of New York*) 1915
 Robert Burton House, A B. (*Univ of North Carolina*) 1916
 Harvey James Howard, A B (*Univ of Michigan*) 1904, M D (*Univ of Pennsylvania*) 1908
 Clifford Chesley Hubbard, A B (*Brown Univ*) 1908
 Laurence Irving, A B (*Bowdoin Coll*) 1916
 Walter Washington Jamison, A B (*Yale Univ*) 1911
 Herbert Lansdowne Johnson, A B (*McGill Univ*) 1912, S T B (*Episcopal Theol School*) 1916
 Clinton Kelly Judy, A B (*Univ of California*) 1903, A M. (*ibid*) 1907, A B (*Univ of Oxford*) 1909, A M (*ibid*) 1913
 Walter Benjamin Kahn, A B. 1916
 Clarence Erskine Kelley, A B 1873
 Robert Francis Kelley, A B. 1915
 Charles David Kepner, Jr, A B (*Williams Coll.*) 1916.
 Andrew Affleck Kerr, A B (*Univ of Utah*) 1907

- Hulbert Haven Kidd, A B (*Vanderbilt Univ*) 1916
 Benjamin Walter King, A.B (*West Virginia Univ*) 1909.
 Robert Victor Kleinschmidt, A B 1916
 John Theodore Krumpelmann, A B (*Tulane Univ*) 1915, A M (*ibid*) 1916
 Horatio Wellington Lamson, S B (*Mass Institute of Technology*) 1915
 Harold Irving Long, A B (*Brown Univ*) 1916
 Alexander Donald Macdonald, A B 1915.
 William Emmett McPheeters, A B (*DePauw Univ*) 1909, S T B (*Boston Univ*) 1913, PH D (*ibid*) 1914
 Cloyd Heck Marvin, A B (*Univ of Southern California*) 1914, A M (*ibid*) 1915
 William Edward Masterson, A B (*Univ of Texas*) 1915
 Edgar D Meacham, A.B (*Univ of Oklahoma*) 1914
 Nanak Batukram Mehta, A B (*Univ of Bombay*) 1912, A M (*ibid*) 1913
 Fred Campbell Meier, S.B 1916
 Ulric Johnson Mengert, A B. (*Haverford Coll*) 1916
 Roscoe Copeland Morris, A B (*Ohio State Univ*) 1916
 Richard Lee Morton, A B (*Hampden-Sidney Coll*) 1910, A M (*Univ of Virginia*) 1915
 Gardner Murphy, A B (*Yale Univ*) 1916
 Forrest Hamilton Murray, A B (*Univ of Illinois*) 1915
 Lockwood Myrick, Jr, A B 1915
 William Endris Nash, A B 1916
 Sidney Stevens Negus, A B (*Clark Coll*) 1913
 Edward Francis Oakes, A B (*Williams Coll*) 1916
 Worcester Perkins, A B 1915
 Stephen Kingsbury Perry, S B (*Dartmouth Coll*) 1913
 Edward Parkhurst Phelps, S.B (*Tufts Coll*) 1912, S.M (*ibid*) 1914
 George Blanchard Phillips, A B (*Dartmouth Coll*) 1916
 Adolph George Pierrot, PH B (*Univ of Chicago*) 1907, LL B (*Univ of Colorado*) 1912
 Reginald Poland, A B. (*Brown Univ*) 1914, A M (*Princeton Univ.*) 1915.
 Philip Huntley Pope, A B (*Bowdoin Coll*) 1914
 Edward Albert Post, A B 1911.
 George Herbert Priest, Jr, A B 1916.
 Leon Ernest Ramsdell, A B 1915
 Frank Hartranft Reichel, S B (*Allegheny Coll*) 1915, S M (*ibid*) 1916
 Charles Frederick Remer, A B. (*Univ of Minnesota*) 1908.
 Edward Daniel Reynolds, A B (*Univ of Wisconsin*) 1913
 Franz Lee Rickaby, S.B (*Knox Coll*) 1916
 Penfield Hitchcock Roberts, A.B. 1916
 Reinhold Eugen Saleski, A B. 1911

- William J Sands, A B 1907
 Herbert Frank Schuchmann, S.B. (*Dartmouth Coll*) 1914
 Gardiner Howland Shaw, A B. 1915.
 Karl Eastman Shedd, A B (*Dartmouth Coll*) 1916
 James Murray Sheehan, A B (*Miami Univ*) 1908
 Walter Helck Siple, S B 1915.
 Thomas Morrison Sloane, Jr, A B 1915
 Frederick Smith, A B (*Bates Coll*) 1915
 Lee Irvin Smith, A B (*Ohio State Univ*) 1913, A M. (*ibid*) 1915
 Stanley Barney Smith, A B. 1916.
 Alma Nicholas Sorensen, A B (*Brigham Young Coll*) 1909
 John Sorensen, Gr, *Western Theol Seminary*, 1908, A B (*Northwestern Univ*) 1910
 Waitstill Hastings Squire, A B (*Univ of Michigan*) 1913
 Lawrence D Steefel, A B. 1916.
 Presley Downs Stout, A B (*New York Univ*) 1912, S T B (*Union Theol. Seminary*) 1915
 Maurice Holway Taylor, A B (*Bates Coll*) 1916.
 Robert Weller Thomas, A.B (*Allegheny Coll*) 1912
 Tell Thompson, A B (*Findlay Coll*) 1912
 Rees Edgar Tulloss, A B (*Wittenberg Coll*) 1906, S T B (*Hanna Divinity School*) 1909
 Lorenzo Dow Turner, A B (*Howard Univ*) 1914
 Percy Winfield Turrentine, A B (*Henderson-Brown Coll*) 1913
 Pierson Muir Tuttle, PH B (*Yale Univ*) 1914
 Donald Nichols Tweedy, A B 1912
 Walter Elwood Vail, S B (*Haverford Coll*) 1915
 Daniel Hugh Verder, A.B (*Trinity Coll, Conn*) 1899, A M (*ibid*) 1902
 Alexander Lee Waldron, A.B (*Univ of Rochester*) 1916
 Douglas Waples, A B (*Haverford Coll.*) 1914, A M (*ibid*) 1915
 Arthur Broadfield Warren, A B 1915.
 Philip Francis Weatherill, A B. (*Bowdoin Coll*) 1916.
 Russell Weisman, A B. (*Adelbert Coll of Western Reserve Univ*) 1912
 Clarence Leavitt Wentworth, A.B. (*Bates Coll*) 1916
 Arthur Preston Whitaker, A B (*Univ of Tennessee*) 1915.
 Frederick Wyman Whitman, A B 1912 (1911).
 John Glenwood Winter, A B (*Bowdoin Coll*) 1916
 George Campbell Wood, A.B 1916
 Eugene Clark Worman, A B. (*Otterbein Univ*) 1907, A M (*ibid.*) 1908, A.B (*Yale Univ.*) 1908.

A A

Edward Joseph Colgan, Jr
Melkisedeg Moorad

Arthur J Phillips
Arthur Wilson Tarbell

PH D

John Edward Anderson, A B (*Univ of Wyoming*) 1914, A M (*Harvard Univ*) 1915

Subject, Philosophy *Special Field*, Psychology

Thesis, "Circulatory Reactions during Physical and Mental Work "

William Anderson, A B (*Univ of Minnesota*) 1913, A M (*Harvard Univ*) 1914.

Subject, Political Science *Special Field*, Municipal Government.

Thesis, "The Regulation of Gas and Electric Light Companies in Massachusetts "

Neil Cole Arvin, A B (*Lake Forest Coll*) 1911, A.M (*Harvard Univ*) 1914

Subject, Philology *Special Field*, Romance Philology

Thesis, "The Comédies Vaudevilles of Eugène Scribe "

Joseph Moorhead Beatty, Jr , A B (*Haverford Coll*) 1913, A M (*Harvard Univ*) 1914

Subject, Philology *Special Field*, English Philology

Thesis, "Charles Churchill, Satirist "

Arman Edward Becker, A B (*Marietta Coll*) 1909, A M (*Harvard Univ.*) 1910

Subject, Physics *Special Field*, Light

Thesis, "An Extension of Series Spectra, and an Experimental Study of a Theory of the Complex Zeeman Effect "

James Beebe Brinsmade, A B. (*Yale Univ*) 1906, A.M (*Harvard Univ*) 1913.

Subject, Physics *Special Field*, Light.

Thesis, "Studies in the Absorption of Light by Gases and Crystals."

James Howard Brown, S B (*Illinois Coll*) 1906, S M. (*Univ of Illinois*) 1909

Subject, Medical Sciences *Special Field*, Comparative Pathology.

Thesis, "The Use of Blood Agar for the Study of Streptococci "

William Robertson Brown, A B. (*Univ of Texas*) 1907, A M (*Harvard Univ*) 1915

Subject, Philology. *Special Field*, English Philology.

Thesis, "The Rise of the Educational Novel in Great Britain, with special Reference to Henry Brooke "

Llewellyn Morgan Buell, A B (*Cornell Univ*) 1910, A M (*Harvard Univ*) 1911

Subject, Philology *Special Field*, English Philology

Thesis, "Personification in the Chief English Poets, 1725-1824"

Arthur Burkhard, A B (*Univ of Minnesota*) 1911, A M (*ibid*) 1912

Subject, Philology *Special Field*, Germanic Philology

Thesis, "Concerning the Style of Conrad Ferdinand Meyer"

Frederic King Butters, S B (*Univ of Minnesota*) 1899, A B (*Harvard Univ*) 1900

Subject, Biology *Special Field*, Botany

Thesis, "Studies in the Geographical Relations of Plants of the Selkirk Mountains"

Emmett Kirkendall Carver, A B 1914

Subject, Chemistry *Special Field*, Physical Chemistry

Thesis, I "Measurements of the Ferrous-Ferric Potential with Mercury Electrodes"

II "Surface Tension Measurements by the Capillary Rise Method"

III "The Effect of Dissolved Air on the Freezing Point of Benzene"

Edwin Martin Chamberlin, A B 1911, A M 1914

Subject, Education *Special Field*, Educational Psychology

Thesis, "An Experimental Study in Formal Discipline"

Joseph Israel Cheskis, A M 1915

Subject, Philology *Special Field*, Romance Philology

Thesis, "Philological Studies in Judaeo-Spanish"

Robert Vincent Cram, A B 1907, A M 1908

Subject, Philology *Special Field*, Classical Philology

Thesis, "De Vicis Atticis"

Tenney Lombard Davis, S B (*Mass Institute of Technology*) 1913, A M (*Harvard Univ*) 1915.

Subject, Chemistry *Special Field*, Organic Chemistry

Thesis, I "Phenyl-methyl-benzoyl-trimethylene Dicarboxic Acid Methyl Ester."

II "The Reduction of Delta Ketonic Acids Diphenylbutene Acid and its Comportment in Addition Reactions."

Ralph Monroe Eaton, Litt B (*Univ of California*) 1914, A M (*Harvard Univ*) 1915

Subject, Philosophy *Special Field*, Logic.

Thesis, "The Method of Induction"

- Willard Edward Farnham, A B (*Univ of Wisconsin*) 1912, A M (*ibid*) 1914
Subject, Philology *Special Field*, English Philology.
Thesis, "Chaucer's *Parlement of Foules* and the Contending Lovers "
- Ernest Flammer, S B (*Univ of California*) 1903
Subject, Physics *Special Field*, Electricity.
Thesis, "Electric Circuits with Variable Resistances."
- Carl Cheswell Forsaith, A B (*Dartmouth Coll*) 1913, A M (*Harvard Univ*) 1914
Subject, Biology *Special Field*, Botany.
Thesis, "A Report on some Allocthonous Peat Deposits of Florida "
- Emilio Goggio, A.B 1909, A B (*Univ of Toronto*) 1910, A.M. (*ibid*) 1910
Subject, Philology *Special Field*, Romance Philology
Thesis, "Italian Influences on Longfellow."
- William Chase Greene, A B 1911, A B. (*Univ. of Oxford*) 1914, A.M. (*Harvard Univ*) 1916
Subject, Philology *Special Field*, Classical Philology
Thesis, "Quid de poetis Plato censuerit "
- Carl Eugen Guthe, S B (*Univ of Michigan*) 1914, A M (*Harvard Univ*) 1915
Subject, Anthropology *Special Field*, American Archaeology.
Thesis, "The Lunar Count of the Mayas "
- Albert Richard Carl Haas, S B. (*Pennsylvania State Coll*) 1913, S M (*ibid.*) 1914, A M (*Harvard Univ*) 1916
Subject, Biology. *Special Field*, Botany.
Thesis, "Studies of Plant Metabolism in Relation to Hydrogen Ion Concentration "
- Norris Folger Hall, A.B (*Haverford Coll.*) 1913, A M (*ibid*) 1913, A M (*Harvard Univ*) 1915
Subject, Chemistry *Special Field*, Physical Chemistry
Thesis, I. "The Silver Coulometer "
 II "The Lead Isotropes "
 III "On Draining Crystals "
- Selig Hecht, S B (*Coll of the Crty of New York*) 1913
Subject, Biology *Special Field*, Zoology
Thesis, "The Physiology of *Ascidia atra* Lesueur."

George Albert Hill, S B (*Worcester Polytechnic Institute*) 1913, A M (*Harvard Univ.*) 1914

Subject, Chemistry *Special Field*, Organic Chemistry

Thesis, I "The Reactions of 2-Metanitrophenyl-3-benzoyl Cyclopropane Dicarboxylic Acid"

II "The Relative Activity of the Various Hydrogens in certain Delta Ketonic Esters."

Carl Sherman Hoar, S B (*Dartmouth Coll*) 1911, A M (*Harvard Univ.*) 1913

Subject, Biology *Special Field*, Botany

Thesis, "The Anatomy and Phylogenetic Position of the Betulaceae"

James Hallett Hodges, A B 1914, A M 1915

Subject, Chemistry *Special Field*, Physical Chemistry

Thesis, I "The Compressibility of certain Elements and Compounds"

II "The Atomic Weight of Zinc"

Minfu Tah Hu, A B (*Cornell Univ*) 1914

Subject, Mathematics. *Special Field*, Analysis

Thesis, "Linear Integro-Differential Equations with a Boundary Condition."

Richard Fay Jackson, A B. 1903

Subject, Chemistry *Special Field*, Physical Chemistry

Thesis, "Saccharimetric Studies."

Edwin Crawford Kemble, S B (*Case School of Applied Science*) 1911, A M. (*Harvard Univ.*) 1914

Subject, Physics *Special Field*, Theoretical Physics.

Thesis, "Studies in the Application of the Quantum Hypothesis to the Kinetic Theory of Gases and to the Theory of their Infra-Red Absorption Bands"

Alfred Theodore Larson, S B (*Carleton Coll*) 1908, S M (*ibid*) 1912

Subject, Chemistry *Special Field*, Physical Chemistry

Thesis, I. "Oxidation Potentials of Cobaltamines in Ammonia"

II. "The Thomson Effect in Electrolytes."

III "Temperature Coefficients of Reference Electrodes"

Sturgis Elleno Leavitt, A B. (*Bowdoin Coll*) 1908, A M (*Harvard Univ*) 1913

Subject, Philology. *Special Field*, Romance Philology.

Thesis, "Scarron in England, 1656-1800."

Edmond Earle Lincoln, A B. (*Ohio Wesleyan Univ*) 1909, A B (*Univ of Oxford*) 1910, A M (*ibid*) 1914.

Subject, Economics. *Special Field*, Public Finance

Thesis, "The Results of Municipal Electric Lighting in Massachusetts."

Francis Wheeler Loomis, A B 1910, A M. 1913

Subject, Physics *Special Field*, Heat

Thesis, "The Heat of Vaporization of Mercury"

Donald Hamilton McLaughlin, S B (*Univ of California*) 1914, A M (*Harvard Univ*) 1915

Subject, Geology *Special Field*, Economic Geology

Thesis, "The Occurrence and Significance of Bornite."

William Hubbs Mechling, S B (*Univ of Pennsylvania*) 1910, A M (*ibid*) 1910, A M (*Harvard Univ*) 1913, LITT B (*Univ of Oxford*) 1916

Subject, Anthropology *Special Field*, American Ethnology

Thesis, "The Social and Religious Life of the Malecites and Micmacs."

Dwight Elmer Munnich, A B (*Miami Univ*) 1910.

Subject, Biology *Special Field*, Zoology

Thesis, "The Photic Reactions of the Honey Bee, *Apis mellifera*. A Quantitative Study of Circus Movements"

John Robert Moore, A B (*Univ of Missouri*) 1910, A M (*ibid*) 1914.

Subject, Philology. *Special Field*, English Philology

Thesis, "The Song in the English Drama to 1642"

Harold Calvin Marston Morse, A B (*Colby Coll*) 1914, A M (*Harvard Univ*) 1915

Subject, Mathematics *Special Field*, Analysis.

Thesis, "Certain Types of Geodesic Motion on a Surface of Negative Curvature"

James Buell Munn, A B. 1912, A M 1915

Subject, Philology. *Special Field*, Comparative Literature

Thesis, "The Development of Plot and Characterization in Early Greek and Early Elizabethan Tragedy, with especial Reference to Aeschylus and Marlowe"

Richard Ager Newhall, A B (*Univ of Minnesota*) 1910, A M. (*ibid*) 1911, A M (*Harvard Univ.*) 1914.

Subject, History *Special Field*, History of France

Thesis, "The English in Normandy, 1416-1424"

Charles Ross Owens, A.B (*Queen's Univ*) 1911, A M (*ibid*) 1912.

Subject, Philology *Special Field*, Classical Philology

Thesis, "Quo modo tragici Graeci res naturales tractaverint"

Leon Woodman Parsons, S B (*Mass Institute of Technology*) 1913, A.M.
(*Harvard Univ.*) 1916

Subject, Chemistry *Special Field*, Physical Chemistry

Thesis, I. "A Revision of the Atomic Weight of Lead"

II "A Revision of the Atomic Weight of Nickel"

III "Gaseous Impurities in Iodine and Silver"

Sidney Leavitt Pressey, A B (*Williams Coll*) 1912, A M (*Harvard Univ*)
1915

Subject, Philosophy *Special Field*, Psychology

Thesis, "The Influence of Color upon Mental and Motor Efficiency"

Wesley Everett Rich, A B (*Wesleyan Univ*, Conn) 1911, A M (*ibid*) 1912

Subject, Economics *Special Field*, Public Finance.

Thesis, "A History of the United States Post Office to the Year 1829."

Abraham Aaron Roback, A B (*McGill Univ*) 1912, A M (*Harvard Univ*)
1913

Subject, Philosophy *Special Field*, Psychology

Thesis, "The Mutual Interference of Will Impulses"

Daniel Sommer Robinson, A B (*Butler Coll*) 1910, A M (*Yale Univ*) 1911,
S T B (*ibid*) 1912

Subject, Philosophy *Special Field*, Logic

Thesis, "The Place of Inference in Logical Theory."

Hyder Edward Rollins, A B (*Southwestern Univ*) 1910, A M (*Univ of Texas*)
1912, A M (*Harvard Univ*) 1916.

Subject, Philology *Special Field*, English Philology

Thesis, "A History of the English Black-Letter Broadside Ballad"

Harold St John, A B. 1914, A.M. 1915

Subject, Biology. *Special Field*, Botany

Thesis, "A Report on a Botanical Exploration of the South Shore of the Labrador Peninsula, Saguenay County, Quebec, including an Annotated List of the Species of Vascular Plants"

Antonios Panayotou Savvidis, A B (*Robert Coll*) 1900, A M (*Harvard Univ*) 1911

Subject, Education. *Special Field*, Educational Administration

Thesis, "An Expository, Critical, and Constructive Study of Education in Modern Greece"

Samuel Shellabarger, A B (*Princeton Univ*) 1909.

Subject, Philology. *Special Field*, English Philology.

Thesis, "A Thesaurus of the Figures of Speech in Anglo-Saxon and the Poetic Edda "

Frank Jason Smiley, A B (*Leland Stanford Jr Univ*) 1913, A M (*ibid*) 1914, A M (*Harvard Univ*) 1915

Subject, Biology *Special Field*, Botany

Thesis, "A Report upon the Boreal Flora of the Sierra Nevada Mountains of California "

John Austin Spaulding, A B 1912 (1911), A M 1912

Subject, Philology *Special Field*, Germanic Philology

Thesis, "The Lower Middle Class in Tieck's Writings "

Nenozo Utsurikawa, PH B (*Univ of Chicago*) 1914

Subject, Anthropology *Special Field*, Ethnology

Thesis, "Some Aspects of the Decorative Art of Indonesia. A Study in Ethnographic Relation "

Alfred Wandtke, A B (*Bowdoin Coll*) 1910

Subject, Geology *Special Field*, Petrography and Economic Geology

Thesis, "The Geology of the Portsmouth Basin, Maine and New Hampshire "

Wesley Raymond Wells, PH B (*Univ of Vermont*) 1913, A M (*Harvard Univ*) 1914

Subject, Philosophy *Special Field*, Ethics

Thesis, "A Behavioristic Study of Religious Values "

Henry Nelson Wieman, A.B (*Park Coll*) 1907

Subject, Philosophy *Special Field*, Ethics

Thesis, "The Organization of Interests."

Edward Wigglesworth, A B 1908, A M 1909

Subject, Geology. *Special Field*, General Geology.

Thesis, "The Geology of Martha's Vineyard, Massachusetts."

Henry Earnest Williams, A B (*Boston Univ*) 1909, A M (*Columbia Univ.*) 1913

Subject, Chemistry *Special Field*, Organic Chemistry

Thesis, "A Study of Cyclopropane Derivatives containing Nitro Groups "

Victor Yngve, S B (*Univ of Minnesota*) 1913, S M. (*ibid*) 1914

Subject, Chemistry *Special Field*, Physical Chemistry.

Thesis, "Physico-Chemical Methods of Fixing Temperatures."

S B IN CIVIL ENGINEERING

- Charles Miller Black
 Albert Walter Buford
 Joel William Campbell
 Hubert Walter Collins, S B (*Univ of North Carolina*) 1914, A M. (*ibid*)
 1916
 Irving Fineman, B E (*Cooper Union*) 1912
 Shou-Heng Huang
 Francis O'Loughlin Killorn
 Samuel Louis Kuhn, A B (*Harvard Univ*) 1916
 Arthur Merkel Miller.
 George Augustus Nelson, Jr, S B (*Coll of the City of New York*) 1915
 Alfred Salem Niles, A B (*Johns Hopkins Univ*) 1915
 Russell King Robinson, A B (*Ohio Wesleyan Univ*) 1914
 Herman Livingston Rogers, A B (*Yale Univ*) 1914
 Winthrop Chester Swain, A B (*Harvard Univ*) 1913
 Francis Elliott Thomas, S B (*Pennsylvania State Coll*) 1915
 Timothy Herbert Weston

S B IN MECHANICAL ENGINEERING

- Leo Thomas Cribben, A B (*Harvard Univ*) 1916
 Raymond Wessells Drobisch
 Walter Greene Farr
 Paul Maxwell Flagg, S B (*Univ of Pennsylvania*) 1911
 George Priest Igleheart
 Grafton Sherwood Kennedy, A B (*Yale Univ*) 1914.
 Thomas Dotterer Lebby, Jr., A B (*Coll of Charleston*) 1915.
 Homer Chuen-cheng Ling, A B (*St. John's Univ*) 1912
 John Aleck Lunn, S B (*Colorado State Coll*) 1915
 William Chambers Mehaffey
 Robert Selden Moulton, S B (*Amherst Coll*) 1915
 Willard Latourette Pryor
 John Cowperthwaite Tyler, A B. (*Williams Coll*) 1915
 Edward Pearson Warner, A B (*Harvard Univ*) 1916
 Louis Lewellyn Wisnew.
 Philip Osborne Yeaton, S B (*Dartmouth Coll*) 1914.

(*Out of Course*)

August George Schaefer, as of the class of 1916.

S B IN ELECTRICAL ENGINEERING

- George Abbot, 2d, A B (*Univ of Wyoming*) 1914, S B (*ibid*) 1915
 Norman Bruce Ames, S B (*Mississippi Agricultural and Mechanical Coll*) 1915
 Charles Francis Brush, Jr, S B (*Harvard Univ*) 1915
 Edward Leeds Clark, A B (*Oberlin Coll*) 1912
 John Ruskin Coffin, A B (*Harvard Univ*) 1916
 William West Eaton, A B (*Colgate Univ*) 1914, A M (*ibid*) 1915
 Richard Dudley Fay, A B (*Harvard Univ*) 1915
 Carl Mitchell Gilt, A B (*Univ of Rochester*) 1914
 Guy Augustus Gray
 John Harper, A B (*Harvard Univ*) 1916
 David Morris Jones, A B (*Univ of Minnesota*) 1906
 Joyce Raymond Kelly, A B (*Reed Coll*) 1915
 Richard Penberthy Martin, Jr, A B (*Yale Univ*) 1915
 Charles Gideon Miller, S B (*Virginia Military Inst*) 1912
 Henry Lafayette Miller.
 Edward Benedict Payne
 Winfred Wenner Smith, S B (*Pennsylvania Coll*) 1915
 James Jackson Storrow, Jr, A B (*Harvard Univ.*) 1915
 Simpson Ridley Stribling, S B (*Texas Agricultural and Mechanical Coll*) 1915
 Adolphe Helck Wenzel
 Evan Rupert Wheeler, S B. (*Colby Coll*) 1914, A M (*ibid*) 1915

(Out of Course)

Joao Nunes Correia, as of the class of 1916

S B IN MINING ENGINEERING AND METALLURGY

- Arthur Clifford Carlton.
 Han Ho Huang
 Archibald Borhek Johnston, PH B. (*Yale Univ.*) 1915
 Richard Thomas Lyons
 Walter Franklin Pond, S.B (*Amherst Coll*) 1907
 Illés Edmund Waechter
 Hsi Chang Wang

(Out of Course)

Elmer Milton Wanamaker, A B. (*Harvard Univ*) 1916, as of the class of 1916.

S M. IN CIVIL ENGINEERING

William Wallace Cargill, S B C E (*Univ of Wisconsin*) 1916

George Thomas Paine, S B (*Brown Univ*) 1915

William Henry Sandlas, S B (*Pennsylvania Coll*) 1914

(*Out of Course*)

Harry de Laveaga Cebrian, S B (*Univ of California*) 1915, as of the class of 1916.

S M IN MECHANICAL ENGINEERING

Harold Harwood Perry, S B (*Univ of Michigan*) 1916

S M IN ELECTRICAL ENGINEERING

William Dean Canan, S B (*Pennsylvania State Coll*) 1910, M E (*ibid*) 1913

Charles Orlando Gibbon, S B (*Purdue Univ*) 1914.

Howard Lange Melvin, S B (*State Coll of Washington*) 1911

Forrest Estey Williford, Gr., *United States Military Academy and Coast Artillery School*

(*Out of Course*)

Everett Sharples Coldwell, S B (*Mass Institute of Technology*) 1915, as of the class of 1916

Alfred Emanuel Hanson, S B (*Mass Institute of Technology*) 1914, as of the class of 1916

S M IN SANITARY ENGINEERING

Joel Irving Connolly, S.B (*Mass Institute of Technology*) 1914

Thorndike Saville, A B (*Harvard Univ*) 1914, S B (*Dartmouth Coll*) 1914, C E. (*ibid*) 1915

S M IN MINING ENGINEERING AND METALLURGY

Pang Chieh Loo, S B (*Michigan Coll. of Mines*) 1915

DOCTOR OF ENGINEERING

Tsunezo Hada, Gr., *Higher Technical Coll, Tokyo*, 1907, M E E (*Harvard Univ.*) 1915.

Subject, Engineering Special Field, Electrical Engineering.

Thesis, "Experimental Investigation of High-Tension Cables."

MET. E

Samuel Daniels, A B. 1915

S M IN ZOOLOGY

Harold Raymond Hagan, S B. (*Utah Agricultural Coll*) 1914

S M IN BOTANY

Claude Burton Hutchison, S B (*Univ. of Missouri*) 1908, S M (*Cornell Univ*) 1918.

Karl Sax, S B (*Washington State Coll*) 1916.

S D

George Fouche Freeman, S B (*Alabama Polytechnic Institute*) 1903.

Subject, Economic Biology *Special Field*, Plant Genetics

Thesis, "The Heredity of Quantitative Characters in Wheat."

Howard Madison Parshley, A B 1909

Subject, Economic Biology *Special Field*, Economic Entomology

Thesis, "The Hemiptera-Heteroptera of New England"

M. ARCH

Eugene Dodd, A.B 1914.

George Barr Kayser, A B 1914

Jacob Josephus Liebenberg, S B in Architecture (*Univ. of Minnesota*) 1916

M.L.A.

Arthur Hadden Alexander, S.B. (*Univ. of Wisconsin*) 1914

Raymond White Blanchard, A B 1915

Ralph Dalton Cornell, A B (*Pomona Coll*) 1914

M.B.A

Clement Taggart Bates, A B 1916

Florian John Bird, A B 1915

George Hubert Bonsall, Jr, A B (*Princeton Univ*) 1915

Lewis Vincell Boyle, Jr, A B (*Leland Stanford Jr Univ*) 1909, A.M. (*ibid.*) 1910

William Clark Brown, Jr, A B (*Arkansas Coll*) 1915.

Norman Lee Burton, A B (*Williams Coll.*) 1911

Jay Beidler Camp, A.B 1915

- Frank Everett Chaffee, A B. (*Leland Stanford Jr Univ*) 1915.
 Norman Balch Clark, A B 1916
 Gilman Kimball Crockett, S B (*Pennsylvania State Coll*) 1915.
 Otto Rockefeller Folsom-Jones, A B (*Bowdoin Coll*) 1915
 Henry Eli Friedman, A B 1916
 Thornton Greeley, A B 1913
 James Arthur Green, A B (*Acadia Univ*) 1915
 Earle Sylvanus Habberstad, A B (*Beloit Coll*) 1915
 William Finn Hallstead, 2d, A B (*Princeton Univ*) 1915
 George Laban Harding, A B. (*Indiana Univ*) 1915
 James Francis Horan, A B (*Catholic Univ of America*) 1913.
 Harrison Val Hoyt, S B (*Purdue Univ*) 1913
 Philip Ludwell Jackson, LITT B. (*Princeton Univ*) 1915.
 Hugh John Jameson, A B (*Univ of Wisconsin*) 1915
 Gilbert DeLafayette Jay, Jr, A B (*Wabash Coll.*) 1915.
 Alden Vinal Keene, A B 1916
 Paak Tong Lau, S B (*Univ of Pennsylvania*) 1915
 John William Lerew, A B. (*Lebanon Valley Coll*) 1915
 Charles Hochzeit Levine, S B (*Carnegie Institute of Technology*) 1915.
 Irving Boin Lincoln, S B (*Mass Agricultural Coll*) 1915.
 Adolph Maurice Loveman, A B (*Yale Univ*) 1915
 George Arthur McWilliams, A B. (*Bowdoin Coll*) 1915
 Howard Parsons Marshall, A B (*Univ of Wisconsin*) 1915.
 Dudley Holbrook Mills, A B (*Princeton Univ.*) 1915.
 Charles Hiram Moore, A B 1913
 Arthur Guy Neff, A B (*Oberlin Coll*) 1914.
 James George Osmond, S.B. (*Utah Agricultural Coll.*) 1912.
 Archie Goodrich Postlethwait, A B (*Pomona Coll*) 1915
 Willard Samuel Putnam, A B 1916
 Frank Albert Redmond, A B (*Washburn Coll*) 1912, LL B. (*ibid.*) 1915.
 Alden Reed, S B. (*Worcester Polytechnic Institute*) 1915
 William Brown Ricketts, A B. (*Washington and Jefferson Coll*) 1914
 Ernest Charles Roth, A.B (*Univ of Michigan*) 1915.
 Edward Coghlin Rundell, A B (*St John's Univ*) 1914
 Homer Aaron Sargent, A B. 1915.
 E Herbert Spoor, A B. (*Pomona Coll*) 1915.
 John Swan, A.B 1912.
 James Blaydes Viosca, A B (*Arkansas Coll*) 1915.
 Paul Dyess Weathers, A B (*Amherst Coll*) 1915.
 Gordon Carlisle Welshons, A B (*Carleton Coll*) 1915.
 Albert Robinson Willard, S B. (*Colby Coll*) 1915

M B A *with Distinction*Starr Lewis Bruce, A B (*Leland Stanford Jr Univ*) 1915

Richard Wetmore Story, A B 1915

D M D

Alberto Julio da Silva Pereira
Amado, M D (*Medical School of
Lisbon*) 1915

Clifford Herman Atwood

* Douglas Morgan Baker

Lloyd Henry Blanchard.

Louis Everett Blumberg

William Breslow

Leon Royden Briggs

Adrian Paul Brodeur

Harold Arthur Carnes

Lewis Augustus Cowen

Faber Witman Croll, D D S (*Univ
of Pennsylvania*) 1916Francis Paul Devlin, A B (*Boston
Coll*) 1914.

William Andrew Dorney.

Moses Joel Eisenberg

Arthur William Elworthy, D D S
(*Univ of Pennsylvania*) 1915

Herbert Ludwig Esterberg

John Albert Fernald

Samuel Fine

Joseph Thomas Finn

Roland Ezra Fletcher.

† Joseph Francis Foley, A B. (*Holy
Cross Coll*) 1910.

Charles Percival Fortin

Benjamin Goldinger.

Selig Isaac Grover

Edward Charles Hoey

Lanson James Hyde

Rupert Inglis Irving

Philip Ignatius Johnson

William James Kenefick

Frank Earl Kunker.

Raymond Wells Libby

Ryerson Putnam Long

Louis Calvin Midwood

Sigmund Miller

Warren Buell Perry

Russell Samuel Phillips

Frank Arno Reiser

Abraham Sagoff

Mitchell Samuel Selib

Max Sharpe

Fred Franklin Sproat.

Herbert Alvan Sturtevant

Ralph Maurice Towle.

Alphonso Minnaar Vercueil.

D.M.D. *cum Laude*

William Eyres Bennett.

Carl Helge Ernlund, A.B (*Coll of Lund, Sweden*) 1911

Leonard Daniel Nathan

* Degree awarded by special vote, May 1, 1917

† Degree awarded by special vote, October 8, 1917

M D

- Theodore Henry Aschmann, A B. (*McPherson Coll*) 1908, A M (*Univ of Kansas*) 1911, S M. (*ibid*) 1912
- Leslie Orrell Ashton, S B. (*Dartmouth Coll*) 1913.
- Horace Mitchell Baker, S B (*Mass Agricultural Coll*) 1912
- Robert Willis Belknap, A B (*Bowdoin Coll*) 1913
- Earl Bloomer, A B (*Univ of Missouri*) 1913
- John William Stansbury Brady, A B 1910
- Edwin Porter Buchanan, S B (*Princeton Univ*) 1913
- Thomas Ellwood Buckman, A B 1912, A M 1914.
- Edwin Percy Bugbee, S B (*Tufts Coll*) 1912
- Henry Alden Bunker, Jr, A B 1910.
- Randall Clifford, A.B 1912
- Herbert Carl Dallwig, S B (*Univ of Wisconsin*) 1914, S M (*ibid*) 1915
- Arthur Herbert Dearing, S B (*Dartmouth Coll*) 1914
- Rudolph Ludwig Dresel, A B (*Univ of California*) 1913
- Albert Whittier Fellows, S B (*Dartmouth Coll*) 1914
- Edmund Boyd FitzGerald, A B 1913
- Abraham Milton Goldman, A B (*Univ of Kansas*) 1914
- Adrian Gordon Gould, PH B (*Brown Univ*) 1913
- Francis Cooley Hall, LITT B (*Princeton Univ*) 1913
- Charles William Hutchinson, A B 1906, A M 1907
- Rollo Wilson Hutchinson, A B (*Dartmouth Coll*) 1913
- Victor Clarence Jacobson, S B (*Univ of Wisconsin*) 1915
- James Scott Johnston, A B (*Univ of Michigan*) 1910, A M (*ibid*) 1911
- Samuel Kennison, A B (*Brown Univ*) 1913
- Edward King, A B. (*Univ of Georgia*) 1910
- Armin Klein, A B 1914
- Moses Hyman Lurie, D M D 1914
- James Matthew McCarthy, Jr, A B. (*Holy Cross Coll*) 1913.
- Joseph Hoshal McGuire, A B (*Eureka Coll.*) 1911.
- Monroe Anderson McIver, A.B (*Univ of North Carolina*) 1912.
- Ludo von Meysenbug, A B. (*Washington and Lee Univ*) 1913
- Douglas Heath Nisbet, S B (*Davidson Coll*) 1913
- Harry Oerting
- Derric Choate Parmenter, A B. 1913
- Robert Percival Parsons, S B (*Univ of Wisconsin*) 1915
- Walter Johnson Pennell, A B. (*Bates Coll.*) 1913.
- Nathan Rosenberg, A B (*Univ of Kansas*) 1915
- Ernest Tirrill Saeger, S B. (*Dartmouth Coll*) 1914.
- Joseph Kiddoo Surls, A.B. (*Williams Coll.*) 1913

- Hartwell Greene Thompson, A.B. (*Yale Univ*) 1913.
 Joseph Treloar Wearn, S B (*Davidson Coll*) 1913.
 Joseph Warren White, A B 1913
 Charles Frederick Wilcox, Jr., A B. (*Univ of Utah*) 1913.
 Hovhannes Zovickian, PH B (*Brown Univ*) 1909, A M (*ibid*) 1909

M D *cum Laude*

- Frank Dennette Adams, LITT B. (*Princeton Univ.*) 1913
 Francis Brown Berry, A B. 1914
 George Lawrence Chaffin, A B (*Univ of Utah*) 1914.
 Thomas McCance Mabon, S.B (*Princeton Univ*) 1913
 Karl Augustus Menninger, A B (*Univ of Wisconsin*) 1914, S M (*ibid*) 1915
 Kemp Prather Neal, A B (*Trinity Coll, N C*) 1913
 Carl Clough Persons, A.B (*Wesleyan Univ, Conn.*) 1913
 Louis Strahlmann.
 Arthur Edgar Strauss, S B. 1912.
 Harris Holmes Vail, A.B. (*Yale Univ*) 1912.

M.D. *Magna cum Laude*

- Frederick Ronald Brown, A B (*McGill Univ*) 1913.
 William Robert King, S B (*Univ of Minnesota*) 1913
 Frank Garm Norbury, A B (*Illinois Coll*) 1912, A M (*Univ of Illinois*) 1913

DR. P.H.

- George Burgess Foster, Jr., M.D. (*Jefferson Medical Coll.*) 1907.
Special Field, Bacteriology.
Thesis, "The Etiology of Common Colds. — The Probable Rôle of a Filterable Virus as the Causative Factor with Experiments on the Cultivation of a Minute Micro-organism from the Nasal Secretion Filterates."

LL.B

Candidates whose names are marked by an asterisk would have received degrees *cum laude* if they had passed the examinations of the third year with the same excellence as they passed the examinations of the first and second years, and were prevented from taking the examinations of the third year because they had entered the National Service

- Edward Richmond Adams, A B. 1914
 Burdette Mac Asbill, A.B. (*Wofford Coll*) 1913.
 Sidney Bacharach, A B. (*Univ. of Wisconsin*) 1914.
 Henry Raymond Bacon, A.B (*Williams Coll.*) 1913.
 Allan Campbell Bakewell, Jr., A.B (*Princeton Univ.*) 1914.
 Walter DeWitt Barker, PH B. (*Lafayette Coll*) 1914

- George Barnes Barrett, A B (*Univ. of Georgia*) 1914.
 Samuel Barron, Jr., A B 1914
 Moses Baturin, A B (*Columbia Univ*) 1914.
 Edward Salisbury Bentley, A B (*Yale Univ*) 1914
 † Francis Bergen, A B (*Yale Univ*) 1914.
 Leet Wilson Bissell, A B (*Hamilton Coll*) 1914
 David Blackshear, A B (*Louisiana State Univ.*) 1901, A B and LL.B (*Tulane Univ*) 1904
 Joseph Paxton Blair, Jr., A B. (*Princeton Univ*) 1914
 James Calvin Blythe, S B (*Dartmouth Coll*) 1914.
 Ralph John Bollman, A B (*De Pauw Univ*) 1913.
 Alfred Hugh Oliver Boudreau, A B. (*Yale Univ*) 1914
 Donald Levant Breed, PH B (*Univ of Chicago*) 1913
 Isaac Breeding, Jr., A B (*Franklin Coll*) 1914
 Virgil Coe Brunk, A B. 1914.
 Bruce Ditmas Bromley, A B (*Univ of Michigan*) 1914.
 Benjamin Beuhring Brown, A B (*Princeton Univ*) 1914
 Robert Coleman Brown, A B (*Wesleyan Univ*) 1914
 Ralph Adams Bullock, A B (*Princeton Univ*) 1914
 *Charles Bunn, A B (*Princeton Univ*) 1914
 Kenrick Deane Burrough, A B (*Yale Univ*) 1914
 Pierce Butler, Jr., LITT B (*Princeton Univ*) 1914
 Paul Carrington, A B (*Univ of Missouri*) 1914
 Arthur Ellicott Case, A B (*Yale Univ*) 1914
 George Garvin Chandler, A B (*Yale Univ*) 1912
 Fu-yün Chang, A B 1914
 Charles Francis Choate, 3d, A B 1915.
 David Roland Clarke, A B (*Univ of Illinois*) 1914
 Paran Moody Clarkson, PH B (*Yale Univ*) 1914
 Lawrence Clayton, A B (*Leland Stanford Jr. Univ*) 1914
 Frank Dowd Comerford, A B (*Holy Cross Coll*) 1914
 Samuel Gaston Croom, A B. (*Univ of Arkansas*) 1914
 Eben Jackson Dickey Cross, Jr., A B. (*Princeton Univ*) 1914.
 Franklin Gerard Davidson, A.B (*Wabash Coll*) 1914
 George Philip Davis, A B 1914
 James Edward Davis, S.B. 1914
 *Reed Barnes Dawson, A B (*Univ. of Nebraska*) 1914
 Abraham L Deutschman, A B 1914.
 Frederick Thomas Doyle, A B (*Boston Coll*) 1914
 George Abel Dreyfous, A B (*Tulane Univ*) 1914

† Died May 11, 1917 Certificate of work completed for the degree awarded by the Governing Boards of the University, June 21, 1917

Eugene Ross Dukette, PH B (*Brown Univ*) 1914

*Donald Earl Dunbar, A B 1913.

Henry Powers Elliott, LITT B. (*Princeton Univ*) 1914

Ray Alvin Emmert, PH B (*Drake Univ*) 1914

Levi Simmons Ernst, A B (*Rutgers Coll*) 1914

Adrian Ettinger, A B 1915

Abraham Selig Feinberg, A B (*Bates Coll*) 1913

Joseph de Keyser Feingold, A B (*Clark Coll*) 1911, A M (*Columbia Univ*) 1912

Walter Taylor Fisher, A B 1913

Alfred Thomas Flint, A B (*Univ of Wisconsin*) 1911

Austin Theophilus Foster, A B 1914

Richard Clarke Foster, A B (*Univ of Alabama*) 1914

Joseph France, LITT B (*Princeton Univ*) 1914

Edgar Wendell Freed, S B (*Univ of Pennsylvania*) 1914.

Herbert Aaron Friedlich, A B 1915

Edwin Henry Friedrich, A B (*DePauw Univ*) 1914

Guy George Gabrielson, A B (*State Univ of Iowa*) 1914

Hamilton Gardner, A B (*Univ of Utah*) 1913

John Newton Gatch, A B (*Princeton Univ*) 1914

Benjamin Franklin Goldstein, A B (*Washington Univ*) 1914

Vincent Joseph Grace, A B 1915

Wilson Edwin Griffiths, Jr, A B 1914

Joseph Frederick Gunster, A B (*Catholic Univ of America*) 1914.

Robert Clark Hagan, A B (*Bucknell Univ*) 1914

Henry Tracy Hale, A B (*Williams Coll*) 1914

*Chauncey Harris Hand, Jr, A B (*Univ of Cincinnati*) 1914

Hugh Harbison, A B (*Yale Univ*) 1914

Howard Albert Hartman, A B (*Carroll Coll*) 1914

Benjamin Porter Harwood, PH B (*Yale Univ.*) 1913.

Cecil Ernest Haupt, A B (*De Pauw Univ*) 1914

Norman Riley Hays, A B. (*Grinnell Coll*) 1914

Guy Vernon Head, A B (*Univ of Missouri*) 1914

James Martin Healy, A B (*Dartmouth Coll*) 1914

Isaac Scherck Heller, A B (*Tulane Univ*) 1914

Ray Henry, A B (*Univ of North Carolina*) 1906

William Amos Hill, A B 1914

Walter Hinkle, A B (*Williams Coll*) 1914.

Benjamin Dyer Holt, A.B. (*Bowdoin Coll*) 1913.

Carl Augustus Hope, S B (*Dartmouth Coll.*) 1911.

Gardner Dugald Howie, A B. 1911.

Ellery Channing Huntington, Jr, A B (*Colgate Univ.*) 1914

- Herbert Du Noyer Jones, A.B. (*Williams Coll*) 1914.
 George Stanley Kahn, S.B. 1913
 Pius Philip Keller, Jr., A.B. (*Cornell Univ*) 1913
 Alfred Kendall Kelley, A.B. (*Yale Univ*) 1914
 Joseph Virtue Khne, A.B. (*Juniata Coll*) 1914
 Edwin Phillips Kohl, A.B. (*Univ of Wisconsin*) 1913
 Arnold Leonard, A.B. (*Univ of Missouri*) 1914
 Adrian Melville Levinson, A.B. (*Univ of Missouri*) 1914
 Joseph Adolph Levy, A.B. (*Yale Univ*) 1914
 Solomon Lester Levy, A.B. (*Yale Univ*) 1911, A.B. (*Univ of Oxford*) 1914
 Samuel Harold Lewis, A.B. 1915.
 Norval Wright Little, A.B. (*Univ of Pittsburgh*) 1914
 Lawrence Robinson Lynch, A.B. (*Ohio Wesleyan Univ*) 1913, A.M. (*Columbia Univ*) 1914.
 Richard Snowden McCabe, A.B. (*Johns Hopkins Univ*) 1911
 Francis Robbins McCook, A.B. (*Williams Coll*) 1914
 Joseph McGill, A.B. (*Pennsylvania Coll*) 1914
 James Joseph McGovern, A.B. (*Brown Univ*) 1914
 Merrill Milo Manning, S.B. (*Iowa State Coll*) 1914
 Maxwell Samuel Mattuck, A.B. 1914
 Shackelford Miller, Jr., A.B. (*Princeton Univ*) 1914
 Vaughn Miller, A.B. (*Yale Univ*) 1914
 Clarence Van Schaick Mitchell, A.B. (*Princeton Univ*) 1913
 John Houston Mitchell, A.B. (*Amherst Coll*) 1914
 Nahum Morrill, A.B. and A.M. (*Brown Univ*) 1914
 James Morrow, A.B. (*Rutgers Coll.*) 1914
 Dring De Witt Needham, A.B. (*Grinnell Coll*) 1914
 *Thorpe Dreisbach Nesbit, A.B. 1915.
 Waldo Noyes, A.B. 1914
 Walter Flint Noyes, A.B. 1915
 *Kurt Friedrich Pantzer, A.B. 1914
 Dale Miller Parker, A.B. (*Yale Univ*) 1914.
 John Edwin Peakes, A.B. (*Bates Coll*) 1911
 William Augustus Peckham, A.B. 1914
 John Alexander Dushane Penniman, A.B. (*Johns Hopkins Univ*) 1914
 Paul Geddes Pennoyer, A.B. 1914
 Charles Christian Petersen, A.B. 1915
 Malcolm Nevil Pilsworth, A.B. (*Clark Coll*) 1914
 Shelton Pitney, A.B. (*Princeton Univ*) 1914
 Paul Wright Pogue, A.B. (*Univ of Illinois*) 1914
 Irving Hudson Prince, S.B. (*Knox Coll*) 1914
 Albert Zane Pyles, A.B. 1910.

- Clayton Alpheus Quntrell, A B. (*Western Reserve Univ*) 1913
 Albert Livingston Rabb, A B (*Indiana Univ*) 1914
 Thomas James Reynolds, A B (*Colby Coll*) 1914
 John Franklin Rhodes, A B (*Univ of Missouri*) 1914
 Leonard Moos Rieser, A B (*Univ of Michigan*) 1914
 Paul Billings Roberts, A B 1914
 Albert Wright Rockwood, A B (*Williams Coll*) 1914
 Charles McPherson Aduston Rogers, S B (*Univ of Alabama*) 1912, LL B
 (*ibid*) 1913
 Kivey Rogers, A B 1915
 *Kenneth Claiborne Royall, A B (*Univ of North Carolina*) 1914
 Marion Rushton, A M 1914
 Richard Manning Russell, A.B 1914
 Leverett Saltonstall, A B 1914
 Kendall Ainsworth Sanderson, A B (*Wesleyan Univ*) 1914
 Olin Glenn Saxon, A B. 1914.
 Norman Schaff, A B (*Yale Univ*) 1914
 Allen Manvel Schaffler, A B (*Williams Coll*) 1913.
 Leo Henry Schminck, A B (*St John's Univ*) 1913
 Raymond John Scully, A B. 1907
 *George Herbert Semler, A B (*Yale Univ*) 1914
 Clayton Peter Sheehan, A B (*Holy Cross Coll*) 1914
 Simeon Elswick Sheffy, A B (*Southwestern Univ.*) 1912
 James Ira Shepard, PH B (*Brown Univ*) 1914
 Whitney Hart Shepardson, A B (*Colgate Univ*) 1910, A B (*Univ of
Oxford*) 1913
 Kenneth Oldham Shrewsbury, A B (*Amherst Coll*) 1914
 Jean Sisson, A B 1914
 Paul Hurlburt Smart, A B 1914
 Charles Leo Smiddy, S B. (*Middlebury Coll*) 1913.
 Edson Kirk Smith, A B (*Brown Univ*) 1914
 Herbert Urban Smith, S B (*Northwestern Univ*) 1910.
 Conrad Edwin Snow, A B (*Dartmouth Coll.*) 1912, A.B (*Univ of
Oxford*) 1915.
 Stuart Paul Speer, A B. 1913
 Harold Elmer Staples, A B. 1914.
 Edward Baxter Starbuck, A B 1914.
 Robert Paul Stout, A B (*Moravian Coll*) 1914
 Alfred De Lloyd Sutherland, A B (*Ripon Coll*) 1913
 Rush Taggart, Jr, A.B 1913.
 Joseph Danner Taylor, A B (*Pomona Coll*) 1912, A.B. (*Harvard Univ*)
 1914.

- Edward Carrington Thayer, A B 1915.
 Philip Warren Thayer, A B 1914.
 William Bell Tippetts, A B (*Princeton Univ*) 1914
 Oliver Toll, A B (*Williams Coll*) 1913
 Elmer Emmons Tufts, Jr, A B (*Bowdoin Coll*) 1913
 John Varney, A B (*Dartmouth Coll*) 1909, A M (*Harvard Univ.*) 1911
 Raphael Vicario, A B 1914
 Richard Folsom Walker, A B (*Trinity Coll*) 1914
 Charles Milton Walton, Jr, A B (*Yale Univ*) 1914
 William C Warren, Jr, A B (*Yale Univ*) 1914
 Benjamin Harry Weisbrod, A B (*Cornell Univ*) 1914
 *Joseph Nye Welch, A B (*Grinnell Coll*) 1914
 Frederick Adams Whitney, A.B 1910.
 Urban Earl Wild, A B (*Iowa State Teachers' Coll*) 1913.
 Ralph Steven Williams, A B (*Beloit Coll*) 1914
 David E Johnston Wilson, A B (*Princeton Univ*) 1914.
 Robert Gardiner Wilson, Jr, A B 1914.
 Roy Fielding Wrigley, A B (*Univ of Wisconsin*) 1914
 Aldis Hartman Wurts, A B. (*Western Reserve Univ*) 1913, S B (*Univ of California*) 1914
 Joseph Walter Zeller, PH B (*Iowa Wesleyan Coll*) 1912.

LL.B. *cum Laude*

- Adrian Irving Block, A B (*Cornell Univ*) 1914
 Charles Pelham Curtis, Jr, A B 1914
 John Raeburn Green, A B. (*Westminster Coll*) 1914
 William Anderson Sutherland, A B (*Univ of Virginia*) 1914.

LL.B (Out of Course)

- Harvey Blaine Hoffman, A M. (*Univ of Kansas*) 1910, as of the class of 1913
 Keith Merrill, A B. (*Yale Univ*) 1911, as of the class of 1914
 Jay T Cooper, A B (*Leland Stanford Jr Univ*) 1912, as of the class of 1915
 James Russell Lowell, A.B (*Dartmouth Coll*) 1910, as of the class of 1915.
 Roy Worsham Moore, S B (*Alabama Polytechnic Inst*) 1910, as of the class of 1915
 Dudley Porter Ranney, A B. 1912, as of the class of 1915
 John Lander Stewart, PH B (*Lafayette Coll*) 1912, as of the class of 1915
 Charles Leroy Boyer, A B (*Marquette Coll*) 1913, as of the class of 1916.
 George Maximilian Dery, A.B. (*Lafayette Coll.*) 1913, as of the class of 1916.

- Loren Greeno Gatch, A B (*Princeton Univ*) 1913, as of the class of 1916
 Herbert Augustus Horgan, A B 1914 (1913), as of the class of 1916
 Chester Willard Johnson, A B (*Univ of Minnesota*) 1913, as of the class of 1916
 Roswell Joseph Powers, A B (*Dartmouth Coll*) 1913, as of the class of 1916
 John Alvan Selby, LL B (*Princeton Univ*) 1913, as of the class of 1916
 Theodore Gaillard Thomas, 2d, A B (*Yale Univ*) 1913, as of the class of 1916.

S J D

- Manley Ottmer Hudson, A B (*William Jewell Coll*) 1906, A M (*ibid*) 1907
 LL B (*Harvard Univ*) 1910
 Ernst Otto Schreiber, Jr., A B (*George Washington Univ*) 1910, LL B (*ibid*) 1912

S T B

- Coningsby Mathieson Gordon, A B. (*Builer Coll*) 1916
 Habib Ibrahim Katibah, A B (*Syrian Protestant Coll*) 1912
 Georges Salim Kukhi, A B (*Syrian Protestant Coll*) 1914, B D (*Meadville Theol School*) 1916
 George Manifold, A B (*Pennsylvania Univ*) 1900, A M (*ibid*) 1915
 James Walter Reynolds, A B (*Hiram Coll*) 1904, A M (*ibid*) 1905

S T M

- James Thayer Addison, A B (*Harvard Univ*) 1909, B D (*Episcopal Theol School*) 1913
 Douglas Hilary Corley, A B (*Bates Coll*) 1913, S T B (*Andover Theol Seminary*) 1915, S T B (*Harvard Univ*) 1915, A M (*ibid*) 1917
 Frank Stanton Burns Gavin, A B (*Univ of Cincinnati*) 1912, A M (*Columbia Univ*) 1914, B D (*General Theol. Seminary*) 1915
 Francis Scott Mackenzie, A B (*McGill Univ*) 1914, A M (*ibid*) 1916, B D (*Presbyterian Coll of Montreal*) 1916
 John Franklin Reed, A B (*Univ of Toronto*) 1911, A M (*ibid*) 1912, B D. (*Victoria Univ, Toronto*) 1915
 Gordon Boit Wellman, A B (*Harvard Univ*) 1910, S T B. (*Andover Theol. Seminary*) 1916

CERTIFICATES IN PUBLIC HEALTH

- Herbert Drury, M D., C M (*McGill Univ*) 1909.
 Augustus George Gigger, PH G (*Mass Coll of Pharmacy*) 1900, M D (*Boston Univ*) 1906
 Selskar Michael Gunn, S.B (*Mass Institute of Technology*) 1905.

- Linda James, A B (*Univ. of Minnesota*) 1914
 Arthur Lederer, CHEM ENG (*Imperial Coll. of Chemical Technology, Austria*)
 1898, M D (*Univ of Illinois*) 1908
 John Joseph McCormick, M D (*Georgetown Univ*) 1904
 Vernon Robins, M D (*Univ. of Louisville*) 1894
 Daniel Clarence Steelsmith, M D (*State Univ of Iowa*) 1902
 Lewis Olds Tayntor, PH C (*Mass Coll of Pharmacy*) 1909
 Elmer Seth Tenney, S B (*Dartmouth Coll*) 1894, M D (*Dartmouth Medical School*) 1897
 Frank Alonzo Wilmot, M D (*Cotner Univ Medical Coll*) 1913, A B (*Cotner Univ*) 1916
 Fu-chun Yen, M D (*Yale Univ*) 1909, D T M (*Univ of Liverpool*) 1910

 HONORARY DEGREES

A M

Daniel Chester French

Newcomb Carlton

LL D

John Grier Hibben

Arthur Cecil Spring-Rice

Henry White

Herbert Clark Hoover

Litt D

Paul Jean Louis Azan

ON MAY 12, 1917, THE DEGREE OF DOCTOR OF LAWS WAS CONFERRED ON
 Joseph Jacques Césaire Joffre, Marshal of France

HARVARD UNIVERSITY

DESCRIPTIVE CATALOGUE

MARCH, 1918



CAMBRIDGE

PUBLISHED BY HARVARD UNIVERSITY

1918

DEPARTMENTS OF THE UNIVERSITY

The University comprehends the following departments :—

HARVARD COLLEGE,
GRADUATE SCHOOL OF ARTS AND SCIENCES,
SPECIAL STUDENTS,
SCHOOL OF ARCHITECTURE,
SCHOOL OF LANDSCAPE ARCHITECTURE,
BUSSEY INSTITUTION,
ENGINEERING AND MINING,
GRADUATE SCHOOL OF BUSINESS ADMINISTRATION,
DIVINITY SCHOOL,
LAW SCHOOL,
MEDICAL SCHOOL,
DENTAL SCHOOL,
GRADUATE SCHOOL OF MEDICINE,
ARNOLD ARBORETUM,
UNIVERSITY LIBRARY,
MUSEUM OF COMPARATIVE ZOOLOGY,
PEABODY MUSEUM OF AMERICAN ARCHAEOLOGY AND
ETHNOLOGY,
UNIVERSITY MUSEUM,
BOTANIC GARDEN,
GRAY HERBARIUM,
ASTRONOMICAL OBSERVATORY

☞ Students in regular standing in any one department of the University are admitted free to the instruction and the examinations given in any other department, with the exception of exercises carried on in the special laboratories. But no student paying less than the full fee in his own department is admitted to exercises given in any other department, except upon payment of suitable fees therefor, and with the knowledge and consent of the Deans both of his department and of the department in which the additional instruction is given.

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CALENDAR FOR 1917-18

The Academic Year begins on the Monday preceding the last Wednesday in September The second half-year begins on the Monday following the second Sunday in February The annual Commencement is held on the Thursday preceding the last Wednesday in June

1917.

September 24, Monday **Academic Year begins** in all departments of the University Payment of the first instalment of the tuition fee is required of all students in the University on or before this date Students entitled to the old rates of tuition pay the Infirmary fee with the January term-bill

September 24, Monday Annual Meeting of the Board of Overseers.

October 6, Saturday Last day in the first half-year upon which Undergraduates, Unclassified Students, and Out-of-Course Students in Harvard College may change (drop or add), without liability for a fee of \$5 00, any course of study beginning in the first half-year

October 8, Monday Stated Meeting of the Board of Overseers.

October 12, Friday Columbus Day a holiday

October 13, Saturday Last day in the first half-year upon which Undergraduates, Unclassified Students, and Out-of-Course Students in Harvard College may drop additional courses of study without liability for the additional charge

November 1, Thursday Last day for receiving applications of candidates for Final Honors in 1918

November 1, Thursday Last day for handing in theses for the David A Wells Prize

November 23, Friday. Second instalment of the tuition fee is due on or before this date

November 26, Monday Stated Meeting of the Board of Overseers.

November 29, Thursday Thanksgiving Day a holiday

December 1, Saturday Applications for admission to examinations for the degrees of Ph D and A M at the Mid-Years must be made on or before this date.

December 1, Saturday Last day for receiving applications for the Charles Eliot Norton Fellowship in Greek Studies for 1918-19

December 1, Saturday Last day for receiving applications for aid from the Loan Fund

December 10, Monday Last day for receiving applications for the Cheever, Hayden, and Haven (Medical) Scholarships

December 15, Saturday Last day for receiving applications for Price Greenleaf Aid (third assignment) from students in Harvard College who are eligible for, but who have not previously received, an assignment

RECESS FROM DECEMBER 23, 1917, TO JANUARY 2, 1918, INCLUSIVE

1918.

- January 1, Tuesday* Last day for receiving theses of candidates for the degree of Ph D at the Mid-Years
- January 14, Monday* Stated Meeting of the Board of Overseers
- January 15, Tuesday* Applications for admission to examinations for the degrees of Ph D and A M, in 1918, must be made on or before this date
- January 23, Wednesday* Last day for receiving applications for Freshman scholarships
- January 24, Thursday* Mid-Year examinations begin in Courses offered by the Faculty of Arts and Sciences and the Graduate School of Business Administration
- January 28, Monday* Second half-year begins in the Graduate School of Business Administration
- January 31, Thursday* Medical and Dental Students are required to pay the second instalment of the tuition fee on or before this date
- February 1, Friday* Last day for receiving applications for the degree of A B or S B in the middle of the year
- February 1, Friday* Second half-year begins in the Medical School and the Dental School
- February 11, Monday* The first term-bill is due on this date Third instalment of the tuition fee is due on or before this date
- February 11, Monday* **Second half-year begins** (except in the Graduate School of Business Administration, the Medical School, and the Dental School)
- February 22, Friday* Washington's Birthday a holiday
- February 23, Saturday* Last day in the second half-year upon which Undergraduates, Unclassified Students, and Out-of-Course Students in Harvard College may change (drop or add), without liability for a fee of \$5 00, any course of study beginning in the second half-year
- February 25, Monday* Stated Meeting of the Board of Overseers
- March 1, Friday* Last day for receiving from persons intending to enter College applications for Price Greenleaf Aid, James A Rumrill Scholarships, and Charles Elliott Perkins Scholarships, for 1918-19.
- March 1, Friday* Last day for receiving applications for the Josiah Dwight Whitney Scholarship
- March 1, Friday* Last day for receiving applications for Fellowships and Scholarships, for 1918-19, in the Graduate School of Arts and Sciences and in the Law School
- March 2, Saturday* Last day in the second half-year upon which Undergraduates, Unclassified Students, and Out-of-Course Students in Harvard College may drop, without liability for the additional charge, additional courses of study that begin in the second half-year
- March 30, Saturday* Last day for receiving applications for Divinity School Fellowships and Scholarships

March 30, Saturday. Last day for re-engaging College Rooms for 1918-19

April 1, Monday Last day for receiving applications of candidates for Second-Year Honors

April 1, Monday Last day for receiving dissertations for the Bowdoin Prizes and the Toppan Prize

April 1, Monday Last day for receiving theses of candidates for the degree of Ph D in 1918 in the Divisions of Ancient Languages, of Modern Languages, and of History, Government, and Economics.

April 1, Monday Last day for handing in essays for the Harvard Menorah Society Prize

April 1, Monday Last day for handing in compositions for the Francis Boott Prize and the George Arthur Knight Prize in Music

April 1, Monday Last day for receiving manuscripts of competitors for the Lloyd McKim Garrison Prize

April 4, Thursday Last day for receiving names of competitors for the Boylston Prizes for Elocution.

April 8, Monday Stated Meeting of the Board of Overseers

April 10, Wednesday Last day for receiving theses in the Graduate School of Business Administration.

RECESS FROM APRIL 14 TO APRIL 20, INCLUSIVE

April 22, Monday Fourth instalment of the tuition fee is due on or before this date

April 25, Thursday Last day for receiving essays for the Hodgson Prize, in the Graduate School of Business Administration

May 1, Wednesday Last day for receiving essays for the Susan Anthony Potter Prizes

May 1, Wednesday Last day for receiving dissertations for the Dante, Sargent, Sumner, and Bennett Prizes

May 1, Wednesday Notice of intention to compete for the Sales and the Jeremy Belknap Prizes must be given on or before this date.

May 1, Wednesday Last day for receiving theses of candidates for the degree of Ph D in 1918 (except as above under *April 1*)

May 1, Wednesday Last day for Undergraduates and for Graduate Students to hand in their Commencement Parts

May 1, Wednesday Last day for receiving applications of candidates for the degree of M D or the degree of D M D in 1918

May 1, Wednesday Last day for receiving applications for the Bullard Fellowships and the Moseley Travelling Fellowships.

May 1, Wednesday Last day for receiving applications for Medical School Scholarships for 1918-19 (except the Cheever, Haven, and Hayden Scholarships)

- May 2, Thursday* Last day for receiving applications for College Rooms for 1918-19
- May 9, Thursday* Speaking for the Boylston Prizes
- May 13, Monday* Stated Meeting of the Board of Overseers
- May 25, Saturday* Last day for Juniors to make application to have degree taken in 1918 recorded "as of 1919" in the Quinquennial Catalogue
- May 29, Wednesday* Last day for receiving from Undergraduates applications for College Scholarships (except the James A. Rumrill Scholarships and the Charles Elliott Perkins Scholarships).
- May 30, Thursday* Memorial Day a holiday
- May 31, Friday* Last day upon which candidates for degrees which carry a graduation fee may give notice that they have abandoned their candidacy for the degree
- June 1, Saturday* Examinations begin in the Medical School and the Dental School
- June 17-22, Monday to Saturday* Examinations for admission to Harvard College and the Dental School, — conducted by the College Entrance Examination Board
- June 18, Tuesday* Seniors' Class Day
- June 19, Wednesday* All dues of candidates for degrees must be paid on or before this date
- June 20, Thursday* **Commencement.** Stated Meeting of the Board of Overseers

SUMMER VACATION FROM COMMENCEMENT DAY TO SEPTEMBER 22,
INCLUSIVE

- July 1, Monday* Summer School of the Faculty of Arts and Sciences opens
- July 20, Saturday* Payment of the second term-bill is due on or before this date
- September 11, Wednesday* Examinations begin for applicants for advanced standing in the Medical School, and for men previously conditioned.
- September 16-19, Monday to Thursday* Examinations for admission to Harvard College and the Dental School
- September 23, Monday* **Academic Year begins** in all departments of the University. Payment of the first instalment of the tuition fee is required of all students in the University on or before this date, and payment of the Infirmary fee of Divinity and Law students.
- September 23, Monday* Annual Meeting of the Board of Overseers

ADMINISTRATIVE OFFICERS

THE UNIVERSITY

President· ABBOTT LAWRENCE LOWELL, A B., LL B., LL D., PH.D

Office, 5 University Hall, Cambridge.

Treasurer· CHARLES FRANCIS ADAMS, A B., LL B

Deputy Treasurer· GORHAM BROOKS, A B

The office of the Corporation (and of the Treasurer) is at 50 State Street,
Boston. Office hours, 9 A M to 5 P M., Saturday, 9 A M. to 1 P.M.

Secretaries to the Corporation· { FRANCIS WELLES HUNNEWELL, A B., LL.B.
ROGER PIERCE, A B.

Office, 5 University Hall, Cambridge.

Comptroller· FRANCIS WELLES HUNNEWELL, A B., LL.B

Office, 5 University Hall, Cambridge.

Assistant Comptroller· JOHN LEWIS TAYLOR.

Office, Varsity Club, Quincy Street, Cambridge Office hours, 9 A M.
to 1 P M.

Bursar· CHARLES FRANK MASON, A.B

Office, Varsity Club, Quincy Street, Cambridge. Office hours, 9 A.M.
to 1 P.M.

Inspector of Grounds and Buildings· WALTER SAFFORD BURKE.

Office, Massachusetts Hall Office hours, daily, except Saturday, 9 A.M.
to 1 P M., 4 to 4 30 P M., Saturday, 9 A M to 12 30 P M

Regent· EDWARD DESHON BRANDEGEE, A B

Office, 31 Weld Hall. Office hours, daily, except Saturday, 10 A.M. to
12 M.

Professor of Hygiene· ROGER IRVING LEE, A.B., M D

Office, 4 Weld Hall.

THE FACULTY OF ARTS AND SCIENCES

The Offices of this Faculty and of the Departments under its charge at Nos 2, 4, 10, 19, 20, 23 and 24, University Hall, Cambridge, are open on week-days from 9 A M. to 1 P M Nos. 2, 10, 19, 20, 23, and 24 are also open on week-days, except Saturdays, from 2 to 5 P.M

Dean of the Faculty of Arts and Sciences· LE BARON RUSSELL BRIGGS, A.M.,
LL D., LITT.D.

Office, 10 University Hall. Office hours, Monday, 10 A.M. to 1 P.M.

Dean of the Graduate School of Arts and Sciences· CHARLES HOMER HASKINS,
PH D., LITT D., LL D

Office, 23 University Hall Office hours, Monday, Wednesday, Friday,
day, 12 M. to 1 15 P M., Tuesday, Thursday, 11 to 12 A M

Dean of Harvard College: HENRY AARON YEOMANS, A M, LL B.

Office, 4 University Hall Office hours, Monday, Wednesday, 3 to 5 P.M.; Tuesday, Thursday, 9 30 to 11 30 A M, Saturday, 11 to 12 A M.

Assistant Dean of Harvard College: LAWRENCE SHAW MAYO, A M

Office, 2 University Hall Office hours, Tuesday, Wednesday, Thursday, Friday, 10 A M to 1 P M

Recorder and Secretary of the Faculty of Arts and Sciences GEORGE WASHINGTON CRAM, A B.

Office, 4 University Hall Office hours, daily, 9 A M to 1 P M

Chairman of the Committee on Admission JOHN GODDARD HART, A M

Office, 20 University Hall Office hours, daily, 9 A M to 1 P M.

Dean of Special Students and Dean in charge of University Extension: JAMES HARDY ROPES, A.B., D.D.

Office, 19 University Hall.

Acting Director of the Summer School of Arts and Sciences and Secretary of the Administrative Board for Special Students: ARTHUR FISHER WHITTEM, PH D

Office, 19 University Hall. Office hours, Monday, Wednesday, Friday, 1 P.M.

Secretary of the Graduate School of Arts and Sciences: GEORGE WASHINGTON ROBINSON, A B

Office, 24 University Hall Office hours, daily, 10 A M. to 12 M, and daily, except Saturday, 2 to 4 P M.

Secretary for Student Employment: MORRIS GRAY, Jr., A B.

Office, 9 University Hall Office hours, daily, 10 to 12 A M

LABORATORIES AND MUSEUMS ASSOCIATED WITH THE FACULTY OF ARTS AND SCIENCES

Director of the Chemical Laboratory. ARTHUR BECKET LAMB, PH D.

Assistant Director of the Chemical Laboratory. WILLIS ARNOLD BOUGHTON, A B.

The Chemical Laboratory is in Boylston Hall.

Director of the Wolcott Gibbs Memorial Laboratory. THEODORE WILLIAM RICHARDS, PH.D., S.D, LL.D, CHEM D, M D.

The Wolcott Gibbs Memorial Laboratory is on Frisbie Place.

Acting Director of the Jefferson Physical Laboratory WALLACE CLEMENT SABINE, A M, S D

The Jefferson Physical Laboratory is on Holmes Field

Director of the Cruft High-Tension Engineering Laboratory: GEORGE WASHINGTON PIERCE, PH D.

The Jefferson Physical Laboratory and the Cruft Memorial Laboratory are on Holmes Field.

Director of the Museum of Comparative Zoology SAMUEL HENSHAW, A.M.

Honorary Curator of the Botanical Museum: GEORGE LINCOLN GOODALE,
M D, LL D.

Curator of the Mineralogical Museum JOHN ELIOT WOLFF, PH D

Director of the Peabody Museum of American Archaeology and Ethnology:
CHARLES CLARK WILLOUGHBY, A M

The above Museums are between Oxford Street and Divinity Avenue

Curator of the Semitic Museum DAVID GORDON LYON, PH D., D D.

The Semitic Museum is on Divinity Avenue

Honorary Curator of the Germanic Museum KUNO FRANCKE, PH D, LL D,
LITT D

The Germanic Museum is at the corner of Kirkland Street and Divinity Avenue.

Director of the William Hayes Fogg Museum of Art and Curator of the Gray Collection of Engravings EDWARD WALDO FORBES, A.B

Assistant Director of the William Hayes Fogg Museum of Art: PAUL JOSEPH SACHS, A B

The Fogg Museum of Art is on Cambridge Street.

Director of the Botanic Garden: OAKES AMES, A M.

Curator of the Gray Herbarium: BENJAMIN LINCOLN ROBINSON, PH D.

The Herbarium and Botanic Garden are at the corner of Garden and Linnaean Streets

Director of the Harvard University Press: CHARLES CHESTER LANE, A M.

The Harvard University Press is in Randall Hall, corner of Kirkland Street and Divinity Avenue.

OTHER FACULTIES AND DEPARTMENTS

Chairman of the Faculty of Architecture CHARLES WILSON KILLAM

Office, Robinson Hall Office hours, daily, except Saturday, 9 to 12 A M.

Dean of the Graduate School of Business Administration: EDWIN FRANCIS GAY, PH D.

Acting Dean of the Graduate School of Business Administration LINCOLN FREDERICK SCHAUB, A M., LL B.

Office, 17 University Hall. Office hours, Tuesday, Thursday, and Saturday, 11 to 12 A M

Dean of the Bussey Institution WILLIAM MORTON WHEELER, PH D, S.D.

Office, Bussey Institution, Forest Hills

Dean of the Faculty of Divinity. WILLIAM WALLACE FENN, A M., D D.

Secretary of the Faculty of Divinity: HENRY WILDER FOOTE, A M., S.T B.

Office, Divinity Library, Cambridge. Office hours, Tuesday and Thursday, 9 to 11 A.M.; Wednesday, 2.30 to 4.30 P.M.; other times by appointment.

Dean of the Faculty of Law: ROSCOE POUND, PH D , LL M , LL D , D C L
Office, Langdell Hall, Cambridge

Secretary of the Faculty of Law: RICHARD AMES, A B , LL B
Office, Langdell Hall, Cambridge Office hours, daily, 9 A.M. to 1 P.M.

Dean of the Faculty of Medicine: } EDWARD HICKLING BRADFORD, A M.,
Dean of the Medical School: } M D
Office, Harvard Medical School, Longwood Avenue, Boston Office
hours, by appointment.

Secretary of the Faculty of Medicine: McIVER WOODY, A B , M D
Office, Harvard Medical School, Longwood Avenue, Boston Office
hours, daily, except Saturday, 1 to 2 P M

Dean of the Graduate School of Medicine: ALEXANDER SWANSON BEGG, M D
Office, Harvard Medical School Office hours, by appointment

Director of the Graduate School of Medicine: HORACE DAVID ARNOLD, A B ,
M.D.
Office, Harvard Medical School Office hours, by appointment.

Dean of the Dental School: EUGENE HANES SMITH, D M D.
Office, Harvard Dental School, Longwood Avenue, Boston. Office
hours, Monday, Tuesday, Thursday, Friday, 4 to 5 P M , and by
appointment.

Director of the Arnold Arboretum: CHARLES SPRAGUE SARGENT, A B , LL D.
The Arnold Arboretum is in Jamaica Plain The nearest railway and
telegraph station is Forest Hills, on the Boston and Providence
Division of the N.Y., N H , and Hartford Railroad

Director of the Astronomical Observatory: EDWARD CHARLES PICKERING,
LL.D , S.D.
The Observatory is at the corner of Garden and Bond Streets, Cam-
bridge.

Director of the Blue Hill Meteorological Observatory: ALEXANDER GEORGE
McADIE, A.M., S.M.
The Blue Hill Observatory is in Readville, Mass.

PARIETAL BOARD

Charles L Jackson, A M	H'y 11	Gilbert E Haggart, A B	Sd 14
George E Osborne, A B	T 5	William E Masterson, A M	Sd 32
Eugene C Peck, A B	W 7	Elmer P Kohler, PH D	Go 24
James L Moore, A M	W 35	Alfred M Goodale, A B	Go 25
Arthur E Monroe, A M	G 5	John A Hanna, A M	Go 12
Lee I Smith, A M	G. 24	William S Felton, A B	Go 33
Gregory Hankin, S B, A M	G 43	Claude L McAlpine, A B	Go 24
Raymond H Trott, A B	M 40	James H Sample, A B	Claverly 2
Charles T Copeland, A B	H 15	Gladwyn K Noble, A. B	Claverly 31
Frank H Kennedy, A B	Gnt 8	A C Coolidge, PH D	Randolph 4
Dunham Jackson, PH D	C't 17	T K Richards, A B	Randolph 27
Worcester Perkins, A M	D 15	James W Bell, A M	Westmorly 2
A T Davison, PH D	G S 21	Carl N Jackson, PH D	Beck 25
Ralph P Wentworth, A B	P S 13	Henry Gilman, A B	Fairfax 7
Reginald Coggeshall, A B	P S 22	Joseph L Snider, A B	Fairfax 13
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Arthur B Lamb, PH D	Sd 24	Grant P Pennoyer, A M	Dunster 23

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EDWARD DESHON BRANDEGEE, A B., *Regent*

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CHESTER NOYES GREENOUGH, Ph D., *Professor of English*

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THE GRADUATE SCHOOL OF ARTS AND SCIENCES

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EDWARD LAURENS MARK, Ph D., LL D., *Professor of Anatomy*

GEORGE FOOT MOORE, A M., D D., LL D., Litt D., *Professor of the History of Religion.*

GEORGE LYMAN KITTREDGE, A B., LL D., Litt D., *Professor of English Literature.*

ELMER PETER KOHLER, Ph D., *Professor of Chemistry*

WILLIAM FOGG OSGOOD, Ph D., LL D., *Professor of Mathematics*

CHARLES BURTON GULICK, Ph D., *Professor of Greek*

REGINALD ALDWORTH DALY, Ph.D., *Professor of Geology*

JOHN ALBRECHT WALZ, Ph D., *Professor of the German Language and Literature*

RALPH BARTON PERRY, Ph.D., *Professor of Philosophy*

HENRY WYMAN HOLMES, A M., *Professor of Education*

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GREGORY PAUL BAXTER, Ph D., *Professor of Chemistry.*

ARTHUR FISHER WHITTEM, Ph D., *Acting Director of the Summer School of Arts and Sciences, Assistant Professor of Romance Languages, and Secretary of the Administrative Board for Special Students.*

FACULTY OF ARTS AND SCIENCES

FACULTY OF ARTS AND SCIENCES

The FACULTY OF ARTS AND SCIENCES was instituted in 1890, and has immediate charge of Harvard College, the Graduate School of Arts and Sciences, and Special Students. Harvard College is an undergraduate department in which are enrolled candidates for the degree of Bachelor of Arts and candidates for the degree of Bachelor of Science. The Graduate School of Arts and Sciences is a school for admission to which a bachelor's degree is ordinarily required, its students, if qualified, are admitted to candidacy for the degrees of Master of Arts and Doctor of Philosophy. The Graduate School of Arts and Sciences admits also qualified students who are not candidates for a degree. Special Students are admitted to instruction in courses given by this Faculty. They may become candidates for the degree of Associate in Arts. (See pages 322 and 456.)

The Courses of Instruction are provided by the Faculty of Arts and Sciences for all students under its charge, and a student makes his choice of studies according to the regulations of the department to which he belongs.

For each of these departments there is an Administrative Board, which is ordinarily appointed from among the members of the Faculty of Arts and Sciences, and is subject to the authority of that Faculty. All powers relating to ordinary matters of administration and discipline, except the power to inflict the penalties of dismissal and expulsion, are delegated by the Faculty to the Administrative Boards.

The Faculty of Arts and Sciences exercises directly, for the departments of the University under its charge, all powers not delegated by it to the Administrative Boards or to Standing Committees, including those of instituting requirements for admission and for the several degrees, of laying out courses of instruction and establishing regulations concerning the choice of studies, of framing rules of discipline, of making recommendations for degrees to the President and Fellows of Harvard College, of administering prizes, and of making nominations for fellowships and scholarships.

THE FACULTY OF ARTS AND SCIENCES WITH ITS COMMITTEES AND BOARDS

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WORTHINGTON CHAUNCEY FORD, A M , *Lecturer on Historical Manuscripts.*
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ARTHUR MICHAEL, Ph D , LL D , *Professor of Organic Chemistry*
BLISS PERRY, A M., L.H D , Litt.D , LL D , *Professor of English Literature.*
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ALBERT ANDREW HOWARD, Ph D., *Professor of Latin.*

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ROLAND THAXTER, Ph D, *Professor of Cryptogamic Botany.*

WILLIAM FRANCIS FLYNN, *Professor of Military Science and Tactics*

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MAXIME BÔCHER, Ph D, *Professor of Mathematics.*

GEORGE WASHINGTON CRAM, A B, *Secretary and Recorder.*

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- IRVING BABBITT, A M, *Professor of French Literature*
 CHARLES JESSE BULLOCK, Ph D, *Professor of Economics*
 WILLIAM ERNEST CASTLE, Ph D, *Professor of Zoology.*
 ROBERT MATTESON JOHNSTON, A M, *Assistant Professor of Modern History*
 GUSTAVUS HOWARD MAYNADIER, Ph D, *Instructor in English*
 CLIFFORD HERSCHEL MOORE, Ph D, Litt D, *Professor of Latin*
 GEORGE ANDREW REISNER, Ph D, *Professor of Egyptology*
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 ROBERT DECOURCY WARD, A M, *Professor of Climatology*
 GEORGE CHANDLER WHIPPLE, S B, *Professor of Sanitary Engineering*
 COMFORT AVERY ADAMS, S B, E.E, *Professor of Engineering.*
 PAUL JEAN LOUIS AZAN, S B, Litt D., *Lecturer on Military Science and Tactics*
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 EDWIN FRANCIS GAY, Ph D, *Professor of Economics, and Dean of the Graduate School of Business Administration*
 CHARLES BURTON GULICK, Ph D, *Professor of Greek*
 WILLIAM ZEBINA RIPLEY, Ph D, *Professor of Political Economy*
 CHARLES LEONARD BOUTON, S M, Ph D, *Associate Professor of Mathematics.*
 THOMAS NIXON CARVER, Ph D, LL D, *Professor of Political Economy*
 REGINALD ALDWORTH DALY, Ph D, *Professor of Geology*
 WILLIAM GUILD HOWARD, A M., *Assistant Professor of German*
 CHARLES PALACHE, Ph D, *Professor of Mineralogy*
 EUGÈNE LOUIS RAICHE, *Instructor in French*
 FRED NORRIS ROBINSON, Ph D, *Professor of English.*
 CHARLES HENRY CONRAD WRIGHT, M A, *Professor of the French Language and Literature*
 WILLIAM DUANE, Ph D, *Professor of Bio-Physics.*
 OTTO FOLIN, Ph D, S.D., *Professor of Biological Chemistry*
 FRANK LOWELL KENNEDY, A B, S B, *Associate Professor of Engineering Drawing.*
 LIONEL SIMEON MARKS, B.S, M M E, *Professor of Mechanical Engineering.*
 HERBERT WILBUR RAND, C E, Ph.D, *Assistant Professor of Zoology.*
 JOHN ALBRECHT WALZ, Ph D, *Professor of the German Language and Literature.*
 KENNETH GRANT TREMAYNE WEBSTER, Ph D, *Assistant Professor of English, and Director of the Summer School*
 JOHN GODDARD HART, A.M, *Instructor in English, and Chairman of the Committee on Admission.*

- WINTHROP JOHN VANLEUVEN OSTERHOUT, Ph D , *Professor of Botany.*
 GEORGE WASHINGTON PIERCE, Ph D , *Professor of Physics, and Director of the Cruft Memorial Laboratory*
 JEREMIAH DENIS MATTHIAS FORD, Ph D , *Professor of the French and Spanish Languages*
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 JAMES STURGIS PRAY, A B , *Professor of Landscape Architecture*
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 WALTER BRADFORD CANNON, A M , M D , *Professor of Physiology*
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LOUIS CARYL GRATON, S B , *Professor of Economic Geology*
WILLIAM CLIFFORD HEILMAN, A B , *Assistant Professor of Music.*
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WILLIAM ERNEST HOCKING, Ph D , *Professor of Philosophy.*
ARTHUR POPE, A B , *Assistant Professor of Fine Arts.*
GEORGE SHANNON FORBES, Ph D , *Assistant Professor of Chemistry*
ALEXANDER JAMES INGLIS, Ph D , *Assistant Professor of Education*
ROGER IRVING LEE, A.B , M D , *Professor of Hygiene*
FREDERICK WILLIAM CHARLES LIEDER, Ph D , *Instructor in German.*
PERCY EDWARD RAYMOND, Ph D , *Associate Professor of Palaeontology*
ARTHUR FISHER WHITTEM, Ph D , *Assistant Professor of Romance Languages, Secretary of the Administrative Board for Special Students, and Acting Director of the Summer School*
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HENRY WYMAN HOLMES, A M , *Professor of Education*
GRINNELL JONES, S M , Ph D , *Assistant Professor of Chemistry*
PERCY WILLIAMS BRIDGMAN, Ph D ., *Assistant Professor of Physics.*
*EDWARD FORBES GREENE, *Lecturer on Naval Science and Tactics*

CHANDLER RATHFON POST, Ph D , *Assistant Professor of Greek and of Fine Arts*

GEORGE DAVID BIRKHOFF, Ph D , *Assistant Professor of Mathematics.*

EDMUND EZRA DAY, Ph D , *Assistant Professor of Economics*

JAMES FORD, Ph D , *Assistant Professor of Social Ethics.*

HENRY ATHERTON FROST, A B , *Instructor in Architecture*

ROY KENNETH HACK, B Litt., *Instructor in Greek and Latin*

HERBERT SIDNEY LANGFELD, Ph D , *Assistant Professor of Psychology, and Acting Director of the Psychological Laboratory*

BENJAMIN M. ANDERSON, Jr, Ph D , *Assistant Professor of Economics*

ARCHIBALD THOMPSON DAVISON, Ph D , *Assistant Professor of Music, and Organist and Choir-Master*

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ARTHUR NORMAN HOLCOMBE, Ph D , *Assistant Professor of Government*

ROBERT HOWARD LORD, Ph D , *Assistant Professor of History.*

EMORY LEON CHAFFEE, Ph D , *Assistant Professor of Physics*

JULIUS KLEIN, Ph D , *Instructor in Latin-American History and Economics*

ANDRÉ MORIZE, Agrégé-des-lettres, *Lecturer on Military Science and Tactics*

JOSEPH STANCLIFFE DAVIS, Ph D , *Assistant Professor of Economics, and Tutor in the Division of History, Government, and Economics*

DUNHAM JACKSON, Ph D , *Assistant Professor of Mathematics*

HAROLD HITCHINGS BURBANK, Ph D , *Instructor in Economics, and Tutor in the Division of History, Government, and Economics*

GEORGE HAROLD EDGEELL, Ph D , *Assistant Professor of Fine Arts*

FREDERIC SCHENCK, B Litt , Ph.D., *Secretary of the Committee on the Use of English by Students*

GABRIEL MARCUS GREEN, Ph.D , *Instructor in Mathematics.*

Professors R. W. WILLSON, TAUSSIG, A. C. COOLIDGE, REISNER, SAUVEUR, WEBSTER, G. W. PIERCE, CANNON, HUBBARD, LYMAN, B. A. G. FULLER, TOZZER, H. N. DAVIS, LEE, JONES, BRIDGMAN, POST, HOLCOMBE, and Dr. KLEIN have leave of absence for the academic year 1917-18, Professors CHANNING, SCHOFIELD, MERRIMAN, and DEARBORN, for the first half-year, Professors WHITE, G. E. JOHNSON, SPALDING, WOODS, GAY, DALY, J. L. COOLIDGE, MUNRO, R. B. PERRY, LORD, and J. S. DAVIS, for the second half-year. Professor LAMB has leave of absence while in the service of the Government. Professor Woods was absent for the first half-year as Exchange Professor with France; Professor SCHOFIELD is absent during the second half-year as Exchange Professor with Western Colleges.

For the names of Lecturers, Instructors, and Assistants, associated with the Faculty of Arts and Sciences, see University Catalogue of Names, pages 37-43.

DIVISIONS AND DEPARTMENTS

- I SEMITIC LANGUAGES AND HISTORY Professor Lyon, chairman.
- II ANCIENT LANGUAGES Professor Gulick, chairman
 - A *Indic Philology* Professor Lanman, chairman
 - B *The Classics (Greek, Latin)* Professor Clifford H Moore, chairman.
- III MODERN LANGUAGES Professor Kittredge, chairman
 - A *English* Professor F N Robinson, chairman
 - B *Germanic Languages and Literatures* Professor Walz, chairman
 - C *French, and other Romance Languages and Literatures* Professor Ford, chairman
 - D *Comparative Literature* Professor Kittredge, chairman
- IV HISTORY, GOVERNMENT, AND ECONOMICS Professor Haskins, chairman
 - A *History* Professor Ferguson, chairman
 - B *Government* Professor A B Hart, chairman
 - C *Economics* Professor Bullock, chairman
- V PHILOSOPHY Asst Professor Hoernlé, chairman.
 - Philosophy and Psychology* Asst Professor Hoernlé, chairman
 - Social Ethics* Asst Professor Foerster, chairman.
- VI EDUCATION Professor Holmes, chairman
- VII THE FINE ARTS Professor Chase, chairman
- VIII MUSIC Mr E B Hill, chairman.
- IX MATHEMATICS. Professor Bôcher, chairman .
- X PHYSICAL SCIENCES. Professor Hall, chairman
 - A *Physics* Professor Hall, chairman
 - B *Engineering Sciences* Professor Hughes, chairman.
- XI CHEMISTRY Professor Baxter, chairman.
- XII BIOLOGY Professor Osterhout, chairman
 - A *Botany* Professor Fernald, chairman
 - B *Zoology* Professor Parker, chairman
- XIII GEOLOGY Professor Wolff, chairman
 - A. *Geology and Geography* Professor Woodworth, chairman
 - B *Mineralogy and Petrography* Professor Palache, chairman
- XIV ANTHROPOLOGY Professor Dixon, chairman
- XV MEDICAL SCIENCES Asst. Professor Henderson, chairman

In each of the Divisions is a Division Committee, consisting of all the regular teachers in the Division who are members of the Faculty. But, in any Division which is composed of Departments, the Division Committee may, at its discretion, divide itself into Department Committees, may transfer to the Department Committees any part or the whole of the ordinary administration of their respective Departments, as defined below, and may empower the Department Committees to report directly to the Faculty.

The ordinary administration of a Division or Department includes the proposal of courses of instruction to the Committee on Instruction, the examination of candidates for Second-Year Honors, if such honors are offered, and the nomination of students to the Faculty for Second-Year Honors, the preparation of papers for the admission examinations, when required, the care of departmental libraries, the supervision of departmental publications, when specially referred to the Division or Department, the arrangement and regulation (when combined action seems desirable) of seminars, conferences, clubs, reading-courses, lectures, and the like, the supervision of holders of fellowships, pursuing studies in Cambridge or elsewhere, the nomination of assistants and of instructors for terms not exceeding one year, and the general promotion and usefulness of the Division or Department.

In every Division in which either Final (Baccalaureate) Honors or the degree of Doctor of Philosophy may be attained, the Division Committee, with such additional members as may be appointed, is organized as the *Committee on Honors and Higher Degrees* in that Division, and has charge (under the regulations of the Faculty) of fixing the requirements, examining candidates, and making nominations, for Final Honors and for the degree of Ph.D., and in special cases for that of A.M. But the Department Committee for the Department of English has the charge of Honors in English, and the Department Committee for the Department of the Classics has the control of Honors in the Classics, and for this purpose each of these Committees has the organization and duties of a Committee on Honors.

Every Committee on Honors and Higher Degrees must consist of at least five members; and may include, besides the members of the Division Committee, not more than two members of the Faculty who are not teachers in the Division, and also not more than two persons who are not members of the Faculty, the additional members selected to be approved, before their appointment, by the Division Committee.

Every Committee on Honors and Higher Degrees acts without division into Departments. It may delegate the actual minute examination of candidates and theses to special sub-committees, for which it may obtain the services of any suitable persons, whether members of the Faculty or not; but

the Committee is held responsible for all nominations for Honors and Degrees

Every student who means to be a candidate for the degree of Ph D must carry on his studies with the approval and under the direction of the Committee on Honors and Higher Degrees in the Division to which his studies belong

STANDING COMMITTEES

COMMITTEE ON ADMISSION. — Mr J G Hart (*Chairman*); Professors Grandgent, C N Jackson, G S Forbes, and Birkhoff.

RECEPTION OF STUDENTS — Professors Briggs (*Chairman*), Edward C. Moore, J. L. Coolidge, Merriman

INSTRUCTION — Professor Briggs (*Chairman*), President Lowell, and Professors H W Smyth, F N Robinson, Osterhout, J D M Ford, J L Coolidge, Baxter, Lord, and Mr Cram.

INSTRUCTION AND DEGREES IN RADCLIFFE COLLEGE — Professors White, (*Chairman*), Mark, Hall, H W Smyth, Kittredge, Grandgent, Ferguson, Baxter

SCHOLARSHIPS AND OTHER AIDS FOR UNDERGRADUATES — Professor Yeomans (*Chairman*), Mr Mayo, and Mr Morris Gray, Jr

FELLOWSHIPS AND OTHER AIDS FOR GRADUATE STUDENTS — Professors Haskins (*Chairman*), Kittredge, Osgood, A C Coolidge, Parker, Bullock, C. H. Moore, Baxter, R. B. Perry

ADMINISTRATION OF BOWDOIN PRIZES — Professors Henderson (*Chairman*), Mark, McAdie, R M Johnston, Hoernlé, J S Davis, Dr. Maynadier, Mr Hack.

HONORS IN LITERATURE — Mr G B Weston (*Chairman*), Professors A. A Howard, Gulick, W G Howard, F N Robinson, C N. Jackson

DEGREE WITH DISTINCTION IN HISTORY AND LITERATURE — Dr. Schenck (*Chairman*), Professors Edgell (*Secretary*), W G Howard, J D M Ford, Chase, Merriman

DEGREE WITH DISTINCTION IN MATHEMATICS AND EDUCATION. — Professors Osgood (*Chairman*), Hanus, J L Coolidge.

DEGREE WITH DISTINCTION IN PHILOSOPHY AND ECONOMICS. — Professors Foerster (*Chairman*), Bullock, Langfeld.

COMMITTEE ON CHOICE OF ELECTIVES — President Lowell (*Chairman*); Professors Edgell (*Secretary*), Sheldon, Briggs, Hanus, Richards, Sabine, E. K. Rand, Merriman, Yeomans

COMMITTEE ON THE USE OF ENGLISH BY STUDENTS — Professors J. D. M. Ford (*Chairman*), Ward, Gulick, Lake, Greenough, Holcombe, and Dr. Schenck (*Secretary*)

COMMITTEE ON SPEAKERS FOR HARVARD CLUBS — Professors L. B. R. Briggs (*Chairman*), Ripley, Greenough, and Mr. Roger Pierce.

COMMITTEE ON GENERAL EXAMINATIONS IN HISTORY, GOVERNMENT, AND ECONOMICS. — Professors G. G. Wilson (*Chairman*), Merriman, and Day.

COMMITTEE ON ADMISSION OF SPECIAL STUDENTS IN ENGINEERING AND MINING — Professors H. L. Smyth, Hughes, Adams, Marks, and Sauveur

COMMITTEE ON MILITARY INSTRUCTION — Professors R. M. Johnston (*Chairman*), Bullock, Hughes, J. L. Coolidge

COMMITTEE ON ECONOMIC RESEARCH — Nicholas Biddle, Charles J. Bullock, Frederic H. Curtiss, Wallace B. Donham, Edwin F. Gay, Ogden L. Mills, Eugene V. R. Thayer

Under present conditions definite announcements of courses for 1918-19 cannot be made. The list here printed of courses for the current year indicates in general what may be expected next year. Specific announcements for 1918-19 will be published in April.

INTRODUCTORY NOTE

The following Announcement of Courses of Instruction provided by the Faculty of Arts and Sciences for the academic year 1917-18 is as full and exact as it can now be made. Some changes may hereafter be found necessary: some courses may be dropped, because they are not taken by a sufficient number of students, or for other reasons, and some additional courses may be provided; but these changes are not likely to be numerous.

Most departments of study issue *separate pamphlets* containing detailed accounts of the instruction that they offer. Any of these pamphlets may be obtained at No. 2 University Hall, or on written application to the Secretary, Harvard University, Cambridge, Mass.

The Courses of Instruction here announced are offered to students of Harvard College and of the Graduate School of Arts and Sciences, but a student in regular standing in any other department of the University may be admitted to any course, named in the Announcement, for which he is qualified, provided it is not a laboratory course or a course necessarily limited in numbers (See page 11)

Courses of Instruction are usually classed as *full courses* or *half-courses*, according to the estimated amount of work in each, and its value in the fulfilment of the requirements for a degree. In the following list, half-courses are expressly designated as such; most others are full courses. Courses of Research and Seminary Courses, if taken as work to be counted towards a degree, are usually rated as full courses, but may be estimated differently by special arrangement.

The numbers and letters prefixed to the several courses are intended to be permanent, and, in general, no attempt is made to arrange them in a regular or complete series. The Roman numeral appended to each course indicates the examination group to which the course belongs (see pp. 144, 145). No student may choose two courses belonging to the same examination group, *even when there is no conflict of hours of recitation or lecture*, unless such choice is expressly authorized.

The group numbers used as headings indicate the groups among which a student must distribute his courses for the degree of A B or S B. There are four such groups —

- I Language, Literature, Fine Arts, Music
- II. Natural Sciences
- III. History, Political and Social Sciences
- IV. Philosophy and Mathematics.

A student having concentrated his work to the extent of six or more courses in some one Department or recognized field for Distinction, must observe in which of the four groups given above his chief work lies, and must then distribute six other courses in the other three groups in accordance with the special rules for the choice of elective studies

Students concentrating in the Division of History, Government, and Economics are required to pass a general final examination upon the field of their concentration, so arranged as to test the general attainments of each candidate in the field covered by this Division and also in a specific field of study within the Division Each student concentrating in this Division receives from the beginning of his Sophomore year the guidance and assistance of a special Tutor, whose function is to direct the student's reading, assist him in coordinating the knowledge derived from different courses, and confer with him frequently concerning his work in History, Government, and Economics

A star (*) prefixed to the number of a course indicates that the course cannot be taken without the previous consent of the instructor.

A double dagger (‡) prefixed to the number of a course indicates that the course is open, under certain conditions, to properly qualified students of Radcliffe College

The Courses of Instruction are distributed, in most departments of study, into three groups, namely —

- Courses primarily for Undergraduates (lower group).
- Courses for Undergraduates and Graduates (middle group).
- Courses primarily for Graduates (upper group).

Most of the courses in the lower group and many of those in the middle group are, as a rule, offered *every year*, but they are liable to some variations of subject and to a change of instructors, and some of them are occasionally suspended. Many courses in the middle and upper groups are given in *alternate years* These courses are in most cases designated in the Announcement as so given Some courses, especially in the upper group, are given at less frequent intervals. In the Announcement these courses

are not mentioned unless they are to be given in the year for which the Announcement is issued, but information about them may be found in the special pamphlets of the several departments

Courses of which the titles are enclosed *in brackets* are to be omitted in 1917-18, but are probably to be offered in the following year. They must *not*, however, be regarded as *promised* for that year, and students who are making their plans to take a bracketed course, or indeed any course which, under the terms of the Announcement, might naturally be expected in a later year, are advised to *communicate with the instructor*

No student is admitted to any course unless he has fulfilled all the requirements for that course as stated in the Announcement, or has otherwise satisfied the instructor that he is prepared to pursue it (These requirements are usually stated in notes attached to the announcements of the several courses)

For information regarding the conditions and the mode of election of courses, students of Harvard College are referred to a pamphlet entitled "Rules relating to College Studies"

JANUARY, 1918

ELECTIVE COURSES REGULARLY OPEN TO FRESHMEN

Greek *G, A, B, E* (half-course), [*1a* (half-course)], [*1b* (half-course)].

Latin *A, B, E* (half-course).

English *B, 28*; and to those who have anticipated English *A*, any course in English is open, on the same terms as to Sophomores.

German *B* (equivalent to German *A* and a full course of elective work),
1a, 1b, 1c, F (half-course), *2a, 2b*.

French *1, 2, 3*.

Italian *1, or Spanish 1*.

Fine Arts *1a*.

Music *1*.

Physics *B, C, 1*.

Chemistry *A, B* (half-course).

Botany *1* (half-course).

Zoölogy *1* (half-course).

Geology *4* (half-course), *5* (half-course) on passing Course *4*.

Geography *1* (half-course).

Meteorology *1* (half-course).

History *1*.

Government *1*.

Philosophy *A* (half-course), *B* (half-course), *C* (half-course).

Psychology *A* (half-course).

Mathematics *A, C, D* (half-course), *E* (half-course), *K* (half-course),
G (half-course).

Military Science and Tactics *1* (half-course).

Economics *A* should not ordinarily be taken before the Sophomore year; but with the consent of the instructor it may be elected by Freshmen

COURSES OF INSTRUCTION

GROUP I

SEMITIC LANGUAGES AND HISTORY

Courses 4, 9, 12, 15, 21, A4, A5, A6 require no knowledge of Semitic languages

For Undergraduates and Graduates

E1. Hebrew

Harper's Elements of Hebrew. Harper's Introductory Hebrew Method and Manual. Selections from the prose narratives of the Old Testament *Mon., Wed., Fri., at 10.* Professor KELLNER. (III)

2. Hebrew

Syntax. Extensive reading in the Old Testament. *Tu., Th., at 2.30.* Professor LYON. (XV)

[4. The Old Testament]

With special reference to the history and the literature of Israel. *Mon., Wed., Fri., at 11.* Professor LYON. (IV)

Omitted in 1917-18

8. Post-Biblical Hebrew

Selections from the Talmud, Midrash, and Biblical commentaries. *Twice a week.* Dr. WOLFSON.

9¹/₂hf. Jewish Literature and Life from the Second Century to the Present Time

Half-course (first half-year) Mon., Wed., Fri., at 9. Dr. WOLFSON (II)

21²/₃hf. Introduction to Mediaeval Jewish Philosophy

With special reference to Moslem Philosophy and to Aristotelianism. *Half-course (second half-year). Three times a week.* Dr. WOLFSON.

This course is the same as Philosophy 13d²/₃hf.

22. Hebrew: Selections from Mediaeval and Modern Authors

Tu., Th., at 9. Dr. WOLFSON. (X)

Primarily for Graduates

A3. Hebrew: The Prophetic Books of the Old Testament

Interpretation and criticism of portions of the prophetic writings, selected with special reference to literary and historical questions. *Tu, Th, at 2.30.* Professor ARNOLD. (XV)

A4 ¹/₂f. History of Israel

Half-course (first half-year). *Wed, Fri, at 9* Professor ARNOLD. (II)

A5. Introduction to the Old Testament

History of the text; the formation of the canon; historico-critical study of the origin, form, and contents of the several books. *Mon., Wed., Fri., at 10.* Professor ARNOLD. (III)

[A6. Religion of Israel]

History of the religious ideas and institutions of Israel from the earliest times to the Maccabean age *Mon, Wed, Fri, at 10.* Professor ARNOLD. Omitted in 1917-18 (III)

[A7. Hebrew: The Poetical Literature of the Old Testament]

Tu., Th, at 2.30. Professor ARNOLD. (XV)
Omitted in 1917-18

†10. Assyrian

Delitzsch's Assyrian Grammar, Delitzsch's Assyrische Lesestücke. *Twice a week.* Professor LYON.

†11. Assyrian (second course)

Selections from the historical, poetical, and legal writings. *Twice a week.* Professor LYON.

12. History of Babylonia and Assyria

Mon., Wed., and (at the pleasure of the instructor) Fri., at 11 Professor LYON. Courses 4 and 12 are given in alternate years. (IV)

†13. Arabic

Socin's Grammar; Brünnow's Chrestomathy. *Mon., Wed., Fri., at 11.* Professor JEWETT. (IV)

†14. Arabic (second course)

De Goeje's edition of Wright's Grammar; selections from the Qorân, the Hadîth, and classical writers on geography and history. *Tu, Th., at 3.30.* Professor JEWETT. (XVI)

***15¹/₂. Political and Social History of the Mohammedans to the Conquest of Egypt by Selim I**

Half-course (first half-year) Mon, Wed, and (at the pleasure of the instructor) Fri, at 3.30 Professor JEWETT (VIII)

17. Jewish Aramaic

Marti's Biblisch-Aramaische Grammatik, the Aramaic portions of Daniel and Ezra, Inscriptions and Papyri; selections from the Targums, Dalmann's Aramaische Dialektproben. *Wed, Fri., at 12* Dr. WOLFSON. (V)

18. Syriac

Brockelmann's Syrische Grammatik, selections from the Peshitto. *Twice a week.* Professor JEWETT.

19 Syriac (second course)

Noldeke's Syriac Grammar; selections from Syriac prose of the classical period *Twice a week* Professor —.

***23 ¹/₂. Ethiopic**

Praetorius's Grammar, with references to Dillmann's Grammar, Dillmann's Chrestomathy; Enoch. *Half-course Once a week.*

***24 ¹/₂ North Semitic Epigraphy**

Lidzbarski's Nordsemitische Epigraphik. *Half-course Once a week.*

COURSES OF RESEARCH

20a. Assyrian

Unpublished inscriptions. Professor LYON

A20. Old Testament Problems

The special subject will be determined after conference with properly qualified applicants. Professor ARNOLD.

20b. Arabic

Sources for the History of the Crusades. Professor JEWETT.

Other courses of research will be provided as the needs of advanced students may require.

THE SEMITIC CONFERENCE

The Semitic Conference, which is composed of instructors and students in the Division of Semitic Languages and History, meets once a month, for the reading of papers and the hearing of reports on explorations and investigations in the field of Semitic study.

EGYPTOLOGY

For Undergraduates and Graduates

[1. Egyptian Language (first course)]

Erman's Grammar, Erman's Reading Book, selected texts. *Mon, Wed, Fri, at hours to be arranged* Professor REISNER.

Omitted in 1917-18

[2. Egyptian Language (second course)]

Selected texts of the Old and Middle Empires. *Mon, Wed, Fri, at hours to be arranged.* Professor REISNER.

Omitted in 1917-18

[3 ¹/₂f. History of Egypt]

Half-course (first half-year). *Mon., Wed., Fri, at 10* Professor REISNER. (III)

Omitted in 1917-18.

[4 ²/₃f. History of Egyptian Art]

Half-course (second half-year). *Mon, Wed, Fri, at 10* Professor REISNER. (III)

Omitted in 1917-18

Primarily for Graduates

[5. Egyptian Archaeology]

Mon., Wed, Fri, at 9. Professor REISNER (II)

Omitted in 1917-18

[*6. Archaeological Field Work]

Theory and practice of archaeological field work as a branch of historical research. *Mon, Wed, Fri., at hours to be arranged.* Professor REISNER.

Omitted in 1917-18

Course 6 is open only to advanced students in Anthropology, Archaeology, Fine Arts, and History.

Attention is called to the following courses —

Anthropology 1. General Anthropology Dr HOOTON

Classical Archaeology 1a ¹/₂f. Greek Archaeology. Professor CHASE

Fine Arts 1c ¹/₂f. History of Ancient Art Professor CHASE

Fine Arts 3a Technical and Historical Development of the Ancient and Early Mediaeval Styles of Architecture Mr FROST

History 3a ¹/₂f History of the Roman Republic. Professor FERGUSON

History 3b ¹/₂f History of the Roman Empire Professor FERGUSON.

History 4 History of Greece to the Roman Conquest Professor FERGUSON.

Semitic 4 The Old Testament, with special reference to the History and the Literature of Israel Professor LYON

Semitic 12 History of Babylonia and Assyria Professor LYON

INDIC PHILOLOGY

For Undergraduates and Graduates

1a ¹/_{hf} Elementary Sanskrit

Lanman's *Sanskrit for Beginners* Essentials of grammar (sound-change, inflection) Stanzas for memorizing Easy stories for reading Simple exercises in composition *Half-course (first half-year)* Mon., Wed., Fri., at 2 30 Professor LANMAN. (VII)

1b ²/_{hf} Elementary Sanskrit (continued)

Reading of classical texts (Lanman's Reader) Selections from the epic poems and the fable Bhagavad-Gītā *Half-course (second half-year)*. Mon., Wed., Fri., at 2 30 Professor LANMAN (VII)

Primarily for Graduates

The subject-matter of Courses 2, 3, 4, 5, and 9 is varied in such a way that any one of them may be taken twice by the same student

According to the needs of students who may present themselves, either Courses 2 and 3 or else Courses 4 and 5 will be given in 1917-18.

[2 ¹/_{hf} Advanced Sanskrit]

Rapid reading Adventures of Rāma (Rāmāyana) Ocean of the Streams of Story (Kashmirian Kathā-Sant-Sāgara). *Half-course (first half-year)* Mon., Wed., Fri., at 3 30 Professor LANMAN (VIII)
Omitted in 1917-18

†3 ²/_{hf} Advanced Sanskrit (continued)

Epigrams of Bhartri-hari with the native commentary. Lanman's Vedic selections. Whitney's Atharva-Veda. *Half-course (second half-year)*. Mon., Wed., Fri., at 3.30 Professor LANMAN (VIII)

[4 ¹/_{hf} Pāli]

Selections from the Sacred Books of Buddhism. Jātakas, the Commentary on the Dhammapada (Legends of the Buddhist Saints) *Half-course (first half-year)*. Mon., Wed., Fri., at 3 30 Professor LANMAN. (VIII)
Omitted in 1917-18.

†5 ²/_{hf} Pāli (continued)

The Sacred Books of Buddhism Dialogues of The Buddha (selected from the Dīgha Nikāya). *Half-course (second half-year)* Mon., Wed., Fri., at 3 30 Professor LANMAN. (VIII)

[9. Philosophical Sanskrit]

Yoga system. Patañjali's Sūtras, with the Bhāṣya and the Vārttika, and with the Commentary of Vāchaspati-Mishra. Mon., Wed., Fri., at 2 30. Professor WOODS (VII)
Omitted in 1917-18.

COURSES OF SPECIAL STUDY

[20a. (Seminary of Indic Philology)]

The principles of text-criticism and their application to the editing of an ancient Pāli text. Professor LANMAN.

Omitted in 1917-18

[20c². (Sanskrit Conference)]

Weekly meetings at Professor LANMAN's library for the rapid reading and discussion of Sanskrit philosophical texts The Compend of All the Systems (Sarva-Darshana-Sangraha). *Second half-year*. Professor LANMAN.

Attention is called to the courses on Greek Grammar, on Latin Grammar, and to Philosophy 11¹/₂, Philosophical Systems of India.

THE CLASSICS

Primarily for Undergraduates

GREEK

G. Course for Beginners

Tu., Th, Sat, at 12. Asst. Professor C. N. JACKSON. (XIII)

Course G cannot be taken to remove an admission condition, and it cannot be counted for Honors It will not count for a degree if Elementary Greek is counted for admission.

A. Homer and Herodotus

First half-year: Iliad (selections). *Second half-year* Odyssey (Phaeacian episode), Herodotus (selections). *Mon, Wed, Fri, at 12.* Professor CHASE and Mr HACK. (V)

Course A may be taken in either half-year as a half-course It is open to students who have passed in Greek G or in Elementary Greek for admission It will count only as a half-course for the degree if Advanced Greek is counted for admission The second half may be taken by students who have passed in Advanced Greek

B. Plato, Lysias, Lyric Poetry, Euripides

Plato (Apology, Crito), Lysias (selected orations), Elegiac, Iambic, and Lyric Poets (selections); Euripides (Iphigenia among the Taurians). Lectures on the History of Greek Literature I, *Mon, Wed, Fri, at 10, II, Tu., Th, Sat, at 11.* Professors GULICK and CHASE, Asst Professor C N. JACKSON, and Mr HACK. (III or XII)

Course B is intended for students who have passed in Advanced Greek for admission or who otherwise satisfy the instructor of their fitness. Course B may be counted for Second-Year, but not for Final, Honors.

E hf. Greek Prose Composition (first course)

Goodwin's Moods and Tenses of the Greek Verb *Half-course. Wed., at 2 30* Professor WEIR SMYTH (vii)

Course E may be counted for Second-Year, but not for Final, Honors Course E is especially recommended to Freshmen intending to be candidates for Second-Year Honors, and may be taken with Latin E, although in the same group

[1a ¹hf Herodotus, Aeschylus, Plutarch]

The Period of Athenian Supremacy Herodotus (Books VII and VIII); Aeschylus (Persians), Plutarch (Themistocles). *Half-course (first half-year). Mon, Wed, Fri, at 11.* (iv)

Omitted in 1917-18

[1b ²hf Thucydides, Aristophanes, Euripides]

The Period of Athenian Supremacy. Thucydides (parts of Book I), Aristophanes (Knights); Euripides (Hippolytus) *Half-course (second half-year). Mon., Wed., Fri, at 11.* (iv)

Omitted in 1917-18

Courses 1a and 1b are open to students who have passed with credit Advanced Greek for admission or who otherwise satisfy the instructor of their fitness

2. Aristophanes, Thucydides, Aeschylus, Sophocles

Aristophanes (Acharnians, Birds); Thucydides (Books VI and VII); Aeschylus (Prometheus Bound); Sophocles (Oedipus Tyrannus). *Tu., Th., Sat., at 10.* Asst. Professor C. N. JACKSON. (xi)

Course 2 is important for candidates for Second-Year Honors.

3 hf. Greek Prose Composition (second course)

Translation and original composition (narrative and descriptive). *Half-course Tu., at 2 30* Professor GULICK (xv)

Course 3 is intended especially for candidates for Second-Year Honors, and may be taken with Latin 3, although in the same group. The final examination in Course 3 is identical with the special examination in Greek Composition for Second-Year Honors.

LATIN**A. Cicero and Virgil**

Cicero (De Senectute and selected speeches); Virgil. Practice in reading at sight *Mon, Wed, Fri, at 1 30* Mr HACK (vi)

Course A is open to students who have passed in Elementary, but not in Advanced, Latin at the examination for admission It will not count for a degree if Advanced Latin is counted for admission

B. Livy; Terence; Horace, and other Latin Poets

First half-year: Livy (Book I); Terence (Phormio and Andria) *Second half-year:* Selections from Horace (Odes and Epodes) and other Latin poets. I and II, *Mon, Wed, Fri., at 11;* III, *Tu, Th., Sat., at 12.* Professors A. A HOWARD and E K RAND, and Mr HACK. (iv or xiii)

Course B is intended for students who have passed in Advanced Latin for admission or who otherwise satisfy the instructor of their fitness Course B may be counted for Second-Year Honors.

E hf. Latin Composition (first course)

Translation of English narrative *Half-course Mon., at 2 30* Professor
A. A. HOWARD (vii)

Course E may be counted for Second-Year, but not for Final, Honors. Course E is recommended to Freshmen who purpose to be candidates for Second-Year Honors, and may be taken with Greek E, although in the same group

1. Tacitus, Catullus, Horace

Tacitus (*Agricola* and *Annals*); Catullus; Horace (*Satires* and *Epistles*)
Mon., Wed., Fri., at 10 Professor CLIFFORD H. MOORE. (iii)

Course 1 is open to students who have passed in Course B. The second half, Catullus and Horace (*Satires* and *Epistles*), may be elected by those who have passed in Course 2a. Course 1 is important for candidates for Second-Year Honors

[2a ¹hf. General View of Latin Poetry]

Half-course (first half-year) Tu., Th., Sat., at 9. Mr. HACK. (x)

Omitted in 1917-18.

[4 hf The Roman Commonwealth in the time of Cicero]

Illustrated by selected Latin readings and compared with the American Commonwealth Professor A. A. HOWARD

Omitted in 1917-18

3 hf Latin Composition (second course)

Extended study of idiom Practice in translation *Half-course. Th., at 2 30* Professor CLIFFORD H. MOORE (xv)

Course 3 is open to those who have passed in Course E or who otherwise satisfy the instructor that they are properly qualified. Course 3 is intended especially for candidates for Second-Year Honors, and may be taken with Greek 3, although in the same group. The final examination in Course 3 is identical with the special examination in Latin Composition for Second-Year Honors.

For Undergraduates and Graduates

Besides the courses under this head, certain of the Courses Primarily for Graduates may advantageously be taken by duly qualified undergraduates, especially (among those to be given in 1917-18) Classical Philology 24¹hf (Caesar), 61²hf (Platonism from Cicero to Boethius), and Comparative Literature 5¹hf (History of Classical Culture in the Middle Ages).

GREEK**6. Demosthenes, Aeschines, Aeschylus, Sophocles, Aristophanes**

Demosthenes (*On the Crown*); Aeschines (*Against Ctesiphon*); Aeschylus (*Choephoroe*); Sophocles (*Electra*), Aristophanes (*Frogs*). Collateral reading *Tu., Th., Sat., at 10* Professors WEIR SMYTH and GULICK (xi)

Course 6 may, with the consent of the instructors, be taken during either half-year as a half-course.

7 hf. Greek Prose Composition (third course)

Written composition in the style of Demosthenes and of Plato, with studies of classical models Translation of selections of standard English (rhetorical and philosophical) *Half-course Tu, at 2 30* Professor GULICK (XV)
 Course 7 is open to students who have already taken Course 3, and may be taken with Latin 7, although in the same group The final examination in Course 7 is identical with the special examination in Greek Composition for Final Honors Course 7 may be taken in two successive years, counting as a half-course in each year

8. Plato and Aristotle

Plato (*Republic*); Aristotle (*Ethics*); Survey of Greek Philosophy from Thales to Aristotle. *Tu, Th, Sat, at 9* Professor GULICK. (X)
 In Course 8 attention will be directed mainly to the subject-matter of the authors read. Course 8 is important for candidates for Final Honors in Classics It belongs in Group IV.

[10. A Survey of Greek Civilization]

A study of Ancient Greek Civilization, illustrated from the monuments and literature, with some consideration of its Influence on Modern Times Lectures, required reading *Tu, Th, Sat, at 12* Professor GULICK. (XIII)
 Omitted in 1917-18

Course 10 is given alternately with Latin 10

[11 hf History of Greek Tragedy]

Lectures, with reading and study of plays of Aeschylus, Sophocles, and Euripides *Half-course Mon., Wed, Fri, at 12* Professor GULICK (V)
 Omitted in 1917-18.
 Course 11 is open to Juniors, Seniors, and Graduates, and requires no knowledge of the Greek language

12. History of Classical Greek Literature

Lectures, with direction of the students' private reading *Tu, Th., Sat., at 12* Professor WEIR SMYTH. (XIII)

Attention is called to History 4, the History of Greece

LATIN**6. Suetonius, Pliny, Juvenal, Martial**

Suetonius (selections), Pliny (selected Letters), Juvenal (the principal Satires); Martial (selected Epigrams). *Mon., Wed, Fri, at 10.* Professor A. A. HOWARD (III)

7 hf Latin Composition (third course)

Practice in Latin expression and style. Translation into Latin prose. Original essays in Latin *Half-course Th, at 2 30* Professor E K RAND (XV)

Course 7 is open to students who have passed in Course 3, or who otherwise satisfy the instructor that they are properly qualified. Course 7 may be taken in two successive years, counting as a half-course in each year. It may be taken with Greek 7, although in the same examination group
 Provision will also be made in Course 7 for students who, having taken it already or pursued equivalent studies, desire more advanced instruction

8. Cicero, Lucretius, Plautus

First half-year: Cicero (Tusculan Disputations, Book I, and Scipio's Dream), Lucretius. *Second half-year:* Plautus (five plays) *Mon, Wed, Fri, at 11.* Professors CLIFFORD H. MOORE and E. K. RAND (IV)

Course 8 may be taken during either half year as a half-course. It is important for candidates for Final Honors. The first half-year belongs in Group IV.

[15. Virgil]

The works of Virgil, with studies of his Sources and of his Literary Influence *Mon, Wed, Fri, at 12.* Professor E. K. RAND (V)

Omitted in 1917-18

10. A Survey of Roman Civilization

A Study of Ancient Roman Civilization, illustrated from the monuments and literature, with some consideration of its Influence on Modern Times. Lectures, required reading *Tu, Th, Sat, at 12.* Professor CLIFFORD H. MOORE (XIII)

Course 10 is given alternately with Greek 10.

[12 History of Latin Literature]

Lectures, with direction of the students' private reading *Tu, Th, Sat, at 10.* Professor A. A. HOWARD. (XI)

Omitted in 1917-18.

Attention is called to History 3, the History of Rome

CLASSICAL PHILOLOGY**Primarily for Graduates****25¹/₂. Introduction to the Interpretation and Criticism of Classical Authors**

History of Classical Studies *Half-course (first half-year) Mon, Wed., at 30-6.* Asst Professor C. N. JACKSON.

23. Aeschylus

Mon, Wed, Fri, at 12. Professor WEIR SMYTH (V)

24³/₄. Thucydides

Half-course (second half-year) Mon, Wed, Fri, at 10. Professor WEIR SMYTH (III)

24¹/₂. The Works of Caesar

Half-course (first half-year). Mon, Wed, Fri., at 11 Professor CLIFFORD H. MOORE. (IV)

‡61²/_{hf} Platonism from Cicero to Boethius

Half-course (second half-year) Mon., Wed, Fri., at 2 30. Professor E. K. RAND. (vii)

49²/_{hf}. Introduction to Latin Palaeography

Lectures and practical exercises *Half-course (second half-year)*. Mon, Wed., Fri., at 9. Professor A A HOWARD. (ii)

Comparative Literature 5¹/_{hf} The History of Classical Culture in the Middle Ages

Half-course (first half-year). Mon, Wed, Fri., at 2 30. Professor E. K. RAND (vii)

‡59. The Epistles of Paul (selected portions)

Mon, Wed, Fri., at 9. Professor ROPES (ii)

76¹/_{hf}. The Acts of the Apostles

Half-course (first half-year). Wed., Fri., at 12, and a third hour at the pleasure of the instructors. Professors ROPES and LAKE. (v)

[29^{hf} The Religion and Worship of the Greeks]

Half-course Professor CLIFFORD H MOORE.

Omitted in 1917-18

20. THE SEMINARY OF CLASSICAL PHILOLOGY

DIRECTORS FOR 1917-18 Professors A A. HOWARD and GULICK The design of the Seminary is to afford training in philological criticism and research. The meetings are devoted to the text-criticism and interpretation of Greek and Latin authors The subjects selected for 1917-18 are the Mimes of Herodas and Suetonius *Mondays and Wednesdays, from 4 30 to 6 o'clock* Only those are eligible to the Seminary who have taken Course 25 or who in the judgment of the Directors are qualified

CLASSICAL ARCHAEOLOGY

For Undergraduates and Graduates

1a¹/_{hf}. Greek Archaeology

Half-course (first half-year). Tu, Th., Sat., at 11. Professor CHASE. (xii)

1b²/_{hf}. Etruscan and Roman Archaeology

Half-course (second half-year). Tu., Th., Sat., at 11. Professor CHASE. (xii)

Primarily for Graduates

[4 ¹/₂h. The Elder Pliny's Account of the History of Ancient Art]
(*Historia Naturalis*, Books XXXIV-XXXVI) *Half-course (first half-year)*. Two hours a week, and a third hour at the pleasure of the instructor.

Professor CHASE

Omitted in 1917-18

[5 ¹/₂h. Greek Numismatics]

Half-course (second half-year) Two hours a week, with a third hour at the pleasure of the instructor. Professor CHASE

Omitted in 1917-18

[6 ¹/₂h. Greek Vases]

Half-course (second half-year) Two hours a week, with a third hour at the pleasure of the instructor Professor CHASE

Omitted in 1917-18.

20. Research

Opportunities for research in Classical Archaeology are offered to competent students.

Attention is called to the following courses —

Romance Philology 5 h. Vulgar Latin Professor GRANDGENT

Comparative Literature All the courses

Comparative Philology 2a h. General Introduction to Linguistic Science. Professor GRANDGENT.

History 3a ¹/₂h. History of the Roman Republic. Professor FERGUSON

History 3b ¹/₂h. History of the Roman Empire. Professor FERGUSON

History 4. History of Greece to the Roman Conquest Professor FERGUSON

History 35. Roman Constitutional History. Professor FERGUSON

History 37 ²/₃h. Hellenistic Culture its Character and Spread Professor FERGUSON

Fine Arts 1c ¹/₂h. History of Ancient Art Professor CHASE

A list of courses given at less frequent intervals may be found in the Descriptive Pamphlet of the Department of the Classics

ENGLISH

Study of literature forms a part of most courses in English Composition; and practice in composition forms a part of many of the courses in English Literature. Without the approval of the Department of English no student is allowed to take more than one full course in English Composition in any one year, or to count as elective work for the degree of A.B. or S.B. more than two full courses from the following list 31, 6, 22, 12, 57, 58, and 5

ENGLISH COMPOSITION AND PUBLIC SPEAKING

Primarily for Undergraduates

A. Rhetoric and English Composition, Oral and Written

Themes, conferences, recitations, and lectures. I, *Mon., Wed., Fri., at 10;* II, *Mon., Wed., Fri., at 11;* III, *Mon., Wed., Fri., at 12;* IV, *Tu., Th., Sat., at 10;* V, *Tu., Th., Sat., at 11.* Professors BRIGGS and GREENOUGH, Associate Professor WINTER, Mr. HERSEY, Drs. LONG and C. E. WHITMORE, and Messrs. GORDON, GOTT, B. G. WHITMORE, DOUGLAS, and LINDSAY.

Professor GREENOUGH has the general direction of Course A.

(XVI)

Course A is prescribed for Freshmen. Students who in the opinion of the Department of English need further prescription of English Composition, are required to take Course D in the ensuing year in addition to their regular elective work.

E. Special Instruction in English for Foreign Students

Practice in writing and speaking, class-room exercises, recitations, and conferences. *Tu., Sat., at 12, and conference hours to be assigned.* Mr. HOOD

(XIII)

Professor GREENOUGH has the general direction of Course E

Course E is designed especially for students whose native language is not English. It will not be counted as elective work for a degree, but students who take it will, if they show proficiency equal to that required in English A, be relieved by the Department from further prescription of English Composition.

D¹ or ²/₃f. English Composition

Half-course (either half-year). Once a week. Tu. at 9, Tu. at 10, and (in the first half-year only) Tu. at 130. Conferences at hours to be assigned.

Dr. BAUM.

(X, XI, XIV)

Course D is prescribed for those students in Harvard College who have taken or anticipated Course A, but have not been relieved of prescription. It may be taken in either half-year. It cannot be counted as elective work.

F. English Composition

Special instruction. *Conferences at hours to be assigned.* Mr. HOOD

Students who have been relieved of regular prescription of composition, but whose writing is found to be unsatisfactory, may be required by the Committee on the Use of English by Students to take Course F. The course cannot be counted for a degree.

31. English Composition

Tu, Th, at 2 30, and conferences at hours to be assigned Professor HURLBUT.

(XV)

Course 31 is not open to a student who has taken Course 22. It is intended primarily for Freshmen who have anticipated English A with a grade of A or B. A limited number of other Freshmen and of Sophomores may be admitted at the discretion of the instructor.

6. English Composition

Tu, Th, at 1 30, and conferences at hours to be assigned Mr. PIER (XIV)

Course 6 is intended primarily for Sophomores, but it may be taken by any students for whom no work in English Composition is prescribed.

22. English Composition

Tu, Th, at 2 30, and conferences at hours to be assigned Dr. MAYNADIER, assisted by Mr. COUES (XV)

Course 22 is open to students who have attained Grade A or B in Course A or the anticipatory examination for Course A or in Course D, and to students who having attained a grade above D in English A or the anticipatory examination for English A or in English D have waited at least one year before applying for English 22. It is not open to students who have taken Course 31. With the consent of the instructor students may take Course 22 in either half-year as a half-course.

B¹hf. Training in Speech

Elementary Course, for Freshmen only. *Once a week, first half-year, at hours to be assigned* Mr. MASTERSON

This course is not counted toward a degree. The number of students is limited.

***10 hf. Public Speaking**

Vocal training and platform practice. Division A *Half-course (first or second half-year)*. I, Mon., Wed., Fri., at 9, and Th., at 9 or at 12. II, Mon., Wed., Fri., at 12, and Th., at 9 or at 12. Division C *Half-course (throughout the year)*. I, Mon., Wed., at 10, II, Mon., Wed., at 11; III, Tu., Th., at 12. Associate Professor WINTER and Mr. MASTERSON.

Division C, rather than Division A, should be taken when possible. Course 10 is not open to Freshmen. It is recommended as preliminary to Courses 30a and 30b.

See note under Course 10b.

***10b hf. Vocal Interpretation of English Prose and Poetry**

Half-course (throughout the year). Division A. Studies in selected story and drama, vocal practice. *Tu, Th, at 12*. Division C. Masterpieces of public discourses. Biographical and critical study, and training in delivery. *Mon., Wed., at 12*. Associate Professor WINTER.

Of Courses 10 and 10b only one can be counted toward a degree.

Courses 10 and 10b are not counted for concentration in English unless the student elects six approved courses in the Department of English.

***18. The Forms of Public Address**

Mon., Wed., Fri., at 9. Mr. A. P. STONE.

(II)

Course 18 is open to Sophomores, Juniors, and Seniors. It is not open to students who in the preceding year received Grade C or D in Course A, or in the anticipatory examination, or in Course D. Course 30 is open to students who have taken Course 18.

[*30a ¹/₂f. Debating]

Half-course (first half-year). Fri., 3 30-5 30 Mr. A. P. STONE. (VIII)

Omitted in 1917-18.

Course 10 may be required with Course 30a or Course 30b by students who have not taken it in a former year

[*30b ¹/₂f. Public Addresses — Composition and Delivery]

Half-course (first half-year) Mon., 3 30-5 30 Mr. A. P. STONE. (VIII)

Omitted in 1917-18

Except with the consent of the instructor, Course 30b is open to Juniors and Seniors only. Students interested in public speaking are advised to take Course 18 one year, and Course 30 the next year.

Course 10 may be required with Course 30a or Course 30b by students who have not taken it in a former year

For Undergraduates and Graduates

***12. English Composition**

Tu., Th., at 2 30, and conferences at hours to be assigned. Associate Professor COPELAND. (XV)

With the consent of the instructor, Course 12 may be taken in either half-year as a half-course.

Primarily for Graduates

67. English Composition

Practice in Writing, in the Criticism of Manuscript, and in Instruction by Conferences and Lectures Discussion of the Principles of Composition and of the Organization and Management of Courses in English Composition. *Mon., Wed., Fri., at 3 30. Professor GREENOUGH. (VIII)*

***5. English Composition (advanced course)**

Tu., Th., at 1 30, and conferences to be appointed by the instructor. Professor BRIGGS. (XIV)

With the consent of the instructor Course 5 may be taken in two successive years, with the consent of the instructor Course 5 may be taken as a half-course in either half-year.

***47. English Composition**

The Technique of the Drama. Lectures and practice *Wed., 9-11; Th., 3-4. Professor BAKER*

With the consent of the instructor Course 47 may be counted for more than one course

***47a. The Technique of the Drama (advanced course)**

Lectures and practice *Wed., 4-6, Fri., 4-5. Professor BAKER.*

Course 47a is open only to such students as have taken Course 47 with distinction.

With the consent of the instructor Course 47a may be counted for more than one course

ENGLISH LANGUAGE AND LITERATURE

Primarily for Undergraduates

28. History and Development of English Literature in outline

Tu., Th., at 10; conferences, Sat., at 10, at the pleasure of the instructor
Professors BRIGGS, KITTREDGE, BAKER, HURLBUT, and Mr GORDON. (XI)
Course 28 is open to none but Freshmen who have passed in English for admission

41. History of English Literature from the Elizabethan times to the present

Tu., Th., Sat., at 11 Professor BLISS PERRY and Mr GORDON. (XII)
Course 41 is not open to Freshmen or to students who have taken English 28.

[45 ¹/₂hf. Lives, Characters, and Times of Men of Letters, English and American]

Half-course (second half-year) Mon., Fri., and (at the pleasure of the instructor) Wed., at 12. Associate Professor COPELAND and an assistant. (V)
Omitted in 1917-18

[34 hf. English Letter Writers]

Half-course. Mon., at 11. Associate Professor COPELAND (IV)
Omitted in 1917-18

37 ¹/₂hf. The Story of King Arthur

Half-course (second half-year). Mon., Fri., and (at the pleasure of the instructor) Wed., at 11 Dr. MAYNADIER. (IV)

For Undergraduates and Graduates

3a ¹/₂hf. Anglo-Saxon

Bright's Anglo-Saxon Reader. Half-course (first half-year). Mon., Wed., Fri., at 11. Dr. BAUM. (IV)
Course 3a requires no previous knowledge of Anglo-Saxon.

1. Chaucer

Mon., Wed., Fri., at 9. Professor F. N. ROBINSON and Dr BAUM (II)

[9 ¹/₂hf. Spenser]

Half-course (first half-year). Tu., Th., at 2.30. (XV)
Omitted in 1917-18

35a ¹/₂hf. The English Bible: The Old Testament

Half-course (first half-year) Th., Sat., and (at the pleasure of the instructor) Tu., at 12. Professor LAKE. (XIII)

35b ¹/₂hf. The English Bible: The New Testament

Half-course (second half-year). Tu., Th., Sat., at 12. Professor ROPES and Professor LAKE. (XIII)

Shakspeare (six plays)

Mon., Wed., Fri., at 10. Professor KITTREDGE. (III)
 Course 2 may be taken in two successive years, except by students who also count Course 23.

3²hf Shakspeare (the complete works)]

Half-course (second half-year) Mon., Wed., Fri., at 11 (IV)
 Instituted in 1917-18
 Students who take Course 23 are not permitted to count Course 2 twice toward a degree.

a¹hf Bacon

Half-course (first half-year). Mon., Wed., Fri., at 12. Dr. BAUM. (V)

b²hf Milton

Half-course (second half-year). Mon., Wed., Fri., at 11. Dr. BAUM (IV)

¹hf. Pope and his Time

Half-course (first half-year) Tu., Th., Sat., at 9 Professor HURLBUT (X)

1²hf. Eighteenth Century Periodicals]

Particularly the Tatler, Spectator, and Rambler. *Half-course (second half-year). Mon., Fri., at 2.30* Professor GREENOUGH and an assistant.
 Instituted in 1917-18 (VII)

¹hf Johnson and his Circle

Half-course (second half-year). Mon., Wed., Fri., at 12. Associate Professor COPELAND (V)

¹hf. English and American Historians

Half-course (first half-year). Mon., Fri., and (at the pleasure of the instructor) Wed., at 11. Dr. MAYNADIER. (IV)

29a¹hf The English Novel from Richardson to Scott]

Half-course (first half-year). Mon., Wed., Fri., at 11. Dr. MAYNADIER.
 Instituted in 1917-18 (VII)

29b²hf. The English Novel from Dickens to the Present Time]

Half-course (second half-year). Mon., Wed., Fri., at 11. Dr. MAYNADIER.
 Instituted in 1917-18. (VII)

¹hf. The English Romantic Poets

Half-course (first half-year) Wed., Fri., at 12 Professor CHARLES CESTRE
 University of Bordeaux (V)

3¹hf. The Influence of the French Revolution on English Literature

Half-course (first half-year) Wed., Fri., at 4.30 Professor CHARLES CESTRE
 University of Bordeaux
 Course 73 is open to the public.

[53 ¹/₂f. Scott]

Half-course (second half-year) Mon, Wed., Fri., at 12. Associate Professor COPELAND. (v)

Omitted in 1917-18

[55 ¹/₂f. Tennyson]

Half-course (second half-year). Tu, Th, Sat, at 9. Professor BLISS PERRY and an assistant. (x)

Omitted in 1917-18

Undergraduates wishing to elect English 55 must take Comp Lit. 32¹/₂f as a preparatory course.

[*48 ¹/₂f. Browning]

Half-course (second half-year) Mon, Wed., at 2 30. Professor BRIGGS. (vii)

Omitted in 1917-18

33. American Literature

Tu, Sat., at 10 Professor GREENOUGH and Mr MARRINER (xi)

***16 ¹/₂f. History and Principles of English Versification**

Half-course (second half-year). Mon, Wed., at 2 30. Professor BRIGGS. (vii)

[*26 ¹/₂f. Contemporary Literature, English and American (1890-1915)]

Half-course (second half-year). Tu, Th, at 12 (xiii)

Omitted in 1917-18

Primarily for Graduates**[19 ¹/₂f. Historical English Grammar]**

Half-course (second half-year). Three times a week Professor F. N. ROBINSON.

Omitted in 1917-18.

3b ¹/₂f. Anglo-Saxon

Béowulf. Half-course (second half-year). Mon., Wed., Fri., at 11. Professors KITTEDGE and F N ROBINSON. (iv)

[25 ¹/₂f. Anglo-Saxon Poetry]

Lectures, interpretation of texts, and investigation of special topics. *Half-course (second half-year).* Three times a week Professor F N. ROBINSON.

Omitted in 1917-18

4 ¹/₂f. Early English

English Literature from 1200 to 1450. Matzner's *Altenglische Sprachproben.* *Half-course (second half-year)* Mon, Wed., Fri., at 2 30 Professor F. N. ROBINSON (vi)

Course 4 is open to those students only who are acquainted with Anglo-Saxon.

Comp. Lit. 25 ¹/₂f The English and Scottish Popular Ballads
Lectures and theses. *Half-course (first half-year). Mon, Wed, Fri,*
at 9. Professor KITTREDGE.

Course 25 is for Graduate Students only

[Comp. Lit. 26 ¹/₂f The Early English Metrical Romances]
Lectures and theses *Half-course (first half-year). Mon, Wed, Fri., at 9*
Professor KITTREDGE

Omitted in 1917-18

Course 26 is open to those students only who are acquainted with Middle English and Old French

44 ¹/₂f Chaucer

Study of special topics *Half-course (second half-year). Mon., Wed., Fri.,*
at 9. Professor KITTREDGE. (II)

Course 44 is open to those only who already have some acquaintance with the subject.

[40 ¹/₂f. Scottish Literature from Barbour to Lindesay]
Half-course (second half-year). Mon, Wed., Fri., at 12. (V)

Omitted in 1917-18

[14. The Drama in England from 1590 to 1642]
Tu, Th, Sat, at 12 Professor BAKER and an assistant (XIII)

Omitted in 1917-18

39. The Drama in England from 1642 to 1900

Sat, at 9 and at 1 30. Professor BAKER and Professor MALCOLM MCLEOD
(Carnegie Institute, Pittsburgh). (X)

[62 ¹/₂f. Studies in Seventeenth Century Prose: Puritanism in English and American Literature]

Half-course (first half-year). Mon, Fri, at 2 30 Professor GREENOUGH (VII)

Omitted in 1917-18

[49 ¹/₂f. Shakspeare]

Study of special topics *Half-course (second half-year). Mon., Wed, Fri,*
at 12. (V)

Omitted in 1917-18.

Course 49 is open to those only who have taken Courses 2 and 14 or their equivalent.

[50 ¹/₂f. Dryden and his Time]

Half-course (first half-year). Mon, Fri, at 2 30 Professor GREENOUGH (VII)

59 ¹/₂f. The English Critical Essay

Half-course (second half-year) Tu, Th, and (at the pleasure of the instructor)
Sat, at 9. Professor BLISS PERRY (X)

[24 ¹/₂ Studies in the Poets of the Romantic Period]

Half-course (first half-year). Mon, Wed, Fri, at 12 (V)
Omitted in 1917-18

[54 ¹/₂ Carlyle]

Half-course (first half-year) Tu, Th, Sat., at 11 Professor BLISS PERRY.
Omitted in 1917-18 (XII)

[63 ¹/₂ Emerson]

Half-course (first half-year) Tu, Th, and (at the pleasure of the instructor)
Sat., at 11 Professor BLISS PERRY. (XII)
Omitted in 1917-18

COURSES OF SPECIAL STUDY

20. The Instructors in English hold themselves ready to assist and advise competent Graduate Students who may propose plans of special study in the English language or literature. Such plans, however, must in each case meet the approval of the Department. Students desiring to register in these courses should consult the Chairman of the Department, Professor F. N. ROBINSON

Attention is called to the courses in Comparative Literature

GERMANIC LANGUAGES AND LITERATURES

GERMAN

Primarily for Undergraduates

A. Elementary Course

German grammar. German prose. Practice in writing German. *Three times a week*. Associate Professor BIERWIRTH, Drs LIEDER, PETTENGILL, SCHOENEMANN, HERRICK, and BURKHARD, and Mr E. V BREWER (VIII)

Course A is prescribed for students who cannot show that they have a satisfactory knowledge of Elementary German, and do not elect Course B. It will not count for any degree if Elementary German is counted for admission. The daily work of Course A is conducted in a number of sections meeting at hours announced at the opening of the College year, but for examination this course is assigned to Group VIII

B. Elementary Course

German grammar. German prose and poetry. Practice in writing German. *Five times a week, counting as two courses.* Mon, Wed., Fri., at 10; Tu., Th., at a morning hour to be so arranged as not to conflict with other courses. Dr HERRICK. (III)

Course B may be substituted for Course A by any student for whom Course A is prescribed, and it also counts as a full course in his list of elective courses. Course B is equivalent to Courses A and Ia combined.

1a. German Prose and Poetry

Grammar and practice in writing German I, *Mon, Wed, Fri*, at 9; II, *Mon, Wed, Fri*, at 10 Asst Professor W G HOWARD and Dr PETTENGILL.
(II or III)

1b. German Prose

Subjects in history and biography *Mon, Wed, Fri*, at 11 Drs LIEDER and PETTENGILL
(IV)

Courses 1a and 1b are parallel courses, and are intended for students who have taken Course A, or have passed in Elementary German for admission, or have done satisfactory work at school in a course in German of not more than two years They are not open to students who have taken any elective course in German or have passed in Advanced German for admission, or who have done satisfactory work in a three years' course in German at school. No student is allowed to take both of them

Courses B, 1a, and 1b are introductory to Courses 2a, 2b, 3, 4, and 5 Courses B and 1a are also equivalent to the Advanced German of the admission requirements

Course 1b is especially designed for students who wish to acquire facility in reading German for the use of the language in History and other college studies It will not remove an admission condition in Advanced German

1c. German Scientific Prose

Subjects in natural science *Tu, Th, Sat*, at 9. Dr. LIEDER.
(X)

Course 1c is open to students who have passed with credit in Elementary German for admission or in Course A, or have done satisfactory work at school in a course in German of two or of three years. It may be taken also by students who have passed in Course B, 1a, 1b, or Advanced German for admission, but it will not remove an admission condition in Advanced German

F¹hf. Practice in speaking and writing German (first course)

Half-course (first half-year). I, *Mon, Wed, Fri*, at 1 30, II, *Mon, Wed, Fri*, at 2 30. Dr. HERRICK
(VI or VII)

Course F is open to students who have passed with credit in Elementary German for admission or in Course A, or have done satisfactory work at school in a course in German of two or of three years. It may be taken also by students who have passed in Course B, 1a, 1b, or Advanced German for admission.

H²hf. Practice in speaking and writing German (second course)

Half-course (second half-year) I, *Mon., Wed, Fri*, at 1 30; II, *Mon, Wed, Fri*, at 2.30. Dr. SCHOENEMANN
(VI or VII)

The work of the course includes practice in writing letters

Course H is open to students who have passed in Course F, or who otherwise satisfy the instructor of their fitness to take it

2a. Introduction to German Literature of the Eighteenth and Nineteenth Centuries

Selections from the works of Lessing, Goethe, and Schiller. German ballads and lyrics Practice in writing German. *Mon, Wed., Fri.*, at 12.
Professor VON JAGEMANN.
(V)

Course 2a is conducted in English. See also note under Course 2b

2b. Introduction to German Literature of the Eighteenth and Nineteenth Centuries

Selections from the works of Lessing, Goethe, and Schiller. German ballads and lyrics. Practice in writing German. *Mon, Wed, Fri, at 10.* Professor H. S. WHITE and Dr. LIEDER. (III)

Course 2b is conducted in English.

Courses 2a and 2b are open to students who have passed in Advanced German for admission, or have done satisfactory work at school in a course in German of three years, or have taken Course B, 1a, 1b, or 1c.

Courses 2a and 2b are parallel courses, and no student is allowed to count more than one of them.

3. Schiller

Der Dreissigjährige Krieg; Wallenstein; Maria Stuart; Die Jungfrau von Orleans, Die Braut von Messina; Gedichte. Practice in writing German. *Mon, Wed, Fri, at 11.* Dr. SCHOENEMANN. (IV)

Course 3 is conducted mainly in German. With the consent of the instructor it may be taken as a half-course in either half-year. See also note under Course 5.

4. Goethe

Works of the Storm and Stress period; autobiographical works; poems; Egmont; Iphigenie; Tasso; Faust. Practice in writing German. *Tu, Th, Sat., at 9.* Professor WALZ. (X)

Course 4 is conducted mainly in German. With the consent of the instructor it may be taken as a half-course in either half-year.

5 (formerly 2c). German Prose

Subjects in German history. Selections from such writers as Freytag, Below (Das ältere deutsche Stadtwesen und Bürgertum), and Richter (Quellenbuch). *Mon, Wed, Fri, at 11.* Professor H. S. WHITE and Dr. LIEDER. (IV)

Course 5 is conducted in English. With the consent of the instructor it may be taken as a half-course in either half-year.

Courses 3, 4, and 5 are open to students who have taken Course 2a or 2b. They may be taken also by students who have passed with credit either in Advanced German for admission or in Course B, 1a, or 1b, or have done satisfactory work at school in a course in German of not less than three years.

[25 1/2. History of German Literature in outline]

Lectures and collateral reading of representative works in English translations. *Half-course (first half-year)* *Tu, Th., and (at the pleasure of the instructor) Sat., at 12.* (XIII)

Omitted in 1917-18

For Undergraduates and Graduates

18¹hf. German Grammar and practice in writing German (advanced course)

Half-course (first half-year). Mon., Wed., Fri., at 1.30. Associate Professor BIERWIRTH. (VI)

The work of the course includes practice in writing letters

8. German Literature in the Twelfth and Thirteenth Centuries

Nibelungenlied; Kudrun, Hartmann (Der arme Heinrich); Wolfram (Parzival), Walther von der Vogelweide. Translation into modern German. Lectures and collateral reading. Tu., Th, Sat, at 11 Professor WALZ. (XII)

6¹hf. German Literature of the Eighteenth Century to the Death of Lessing

Lectures, discussions, outside reading, and reports. *Half-course (first half-year).* Tu, Th, Sat, at 9 Associate Professor BIERWIRTH (X)

7²hf German Literature of the Classic Period after Lessing

Lectures, discussions, outside reading, and reports. *Half-course (second half-year)* Tu, Th, Sat, at 9 Associate Professor BIERWIRTH (X)

Courses 6 and 7 are conducted in German Though either may be taken separately as a half-course, they are intended to constitute one whole.

Comp. Lit. 8²hf Goethe's Faust; with a Study of Kindred Dramas in European Literature

Half-course (second half-year) Tu, Th, Sat, at 12 Professor WALZ (XIII)
This course is conducted in German

[Comp. Lit. 10²hf. The Influence of English Literature upon German Literature in the Eighteenth Century]

Half-course (second half-year). Mon., Wed, and (at the pleasure of the instructor) Fri, at 9. Professor WALZ. (II)

Omitted in 1917-18.

26a¹hf. German Literature in the first half of the Nineteenth Century

Kleist; Uhland; Heine. Lectures, with collateral reading. *Half-course (first half-year).* Mon., Wed., Fri., at 12. Asst Professor W. G HOWARD. (V)

26b²hf. German Literature in the second half of the Nineteenth Century

The development of the novel and the drama. Lectures, with collateral reading. *Half-course (second half-year).* Mon, Wed., Fri., at 12 Asst. Professor W. G. HOWARD (V)

28¹/₂f. Goethe's Italienische Reise

Readings and translation, with some examination of the original letters and diaries upon which the narrative is based, and with illustrations of the course of Goethe's travels and art studies *Half-course (first half-year). Tu, Th, and (at the pleasure of the instructor) Sat., at 10* Professor H. S WHITE (XI)

[29. The Life and Writings of Richard Wagner]

Selections from the texts of Richard Wagner's musical dramas, including *Der Fliegende Holländer, Tannhäuser, Lohengrin, Tristan und Isolde, Die Meistersinger, Der Ring des Nibelungen, and Parsifal*, with some study of the legendary background, and with illustrations and elucidations from Wagner's other writings *Tu, Th, and (at the pleasure of the instructor) Sat., at 10* Professor H. S WHITE (XI)
Omitted in 1917-18

[32. Bismarck's Life and Writings]

Selections from Bismarck's speeches, state papers, and private correspondence, with some study of the development of Germany as illustrated in Bismarck's utterances *Tu, Th., at 10.* Professor H S WHITE (XI)
Omitted in 1917-18

[33¹/₂f. The German Novel in the Nineteenth Century]

Half-course (first half-year) Mon., Wed., and (at the pleasure of the instructor) Fri., at 9. (II)
Omitted in 1917-18

Primarily for Graduates**‡Comp. Lit. 28¹/₂f German Literature in the Sixteenth Century and its Relation to English Literature**

Brant, Hutten, Luther, Hans Sachs, Fischart Popular literature in prose and verse. The drama. Lectures, with collateral reading. *Half-course (first half-year). Tu, Th, at 12* Asst Professor W G. HOWARD. (XIII)

[Comp. Lit. 34²/₅f. The Dramatic Works of Grillparzer, considered in their Relations to European Literature]

Half-course (second half-year) Th, 3.30-5.30. Asst Professor W. G. HOWARD. (XVI)
Omitted in 1917-18.

‡13¹/₂f. The Dramatic Works of Friedrich Hebbel

Interpretation, criticism, and study of special topics. *Half-course (second half-year). Th., 3.30-5.30.* Asst. Professor W. G. HOWARD. (XVI)

[36 ¹/₂f. German Lyric Poetry since 1870]

Half-course (second half-year). Tu., Th., at 2.30. Associate Professor BIERWIRTH. (XV)

Omitted in 1917-18

Course 36 is conducted in German

‡12a ¹/₂f Gothic. Introduction to the study of Germanic Philology
General introduction; phonology. *Half-course (first half-year). Mon, Wed, Fri, at 10. Professor VON JAGEMANN* (III)

[12b ²/₂f. Introduction to the study of Germanic Philology (continued)]
Morphology, etymology. *Half-course (second half-year). Mon, Wed, Fri, at 10. Professor VON JAGEMANN* (III)

Omitted in 1917-18.

[14 ¹/₂f. Old Saxon. Introduction to Germanic Metrics]
Half-course (second half-year). Mon, Wed, Fri, at 10. Professor VON JAGEMANN. (III)

Omitted in 1917-18

‡15 ²/₂f. Old High German
Half-course (second half-year) Mon, Wed, Fri, at 10 Professor VON JAGEMANN. (III)

‡21. History of the German Language
Mon., Wed., Fri., at 9. Professor VON JAGEMANN. (II)

SEMINARY COURSE

‡20a ¹/₂f Studies in the Literary Relations between England and Germany
Half-course (first half-year). Wed., 3.30-5.30. Professor WALZ.

Attention is called to the following courses —

Comp Lit 20y Middle High German Literature and European Literature in other Tongues.
Professor WALZ.

History of Religions 3 ¹/₂f. Germanic and Celtic Religions. Professors KITTBEDGE and F. N. ROBINSON.

SCANDINAVIAN

For Undergraduates and Graduates

[1 ¹/₂ Dano-Norwegian]

An introduction to the study of the Danish and Norwegian languages and literatures. Reading of selected texts *Half-course (first half-year)*. Tu., Th., Sat., at 11 Professor SCHOFIELD (XII)
Omitted in 1917-18, to be given in 1918-19.

[Comp. Lit. 13 ²/₅ Danish and Norwegian Dramatists and their Relations to European Literature]

Special attention is paid to Holberg, Oehlenschläger, Bjornson, and Ibsen. *Half-course (second half-year)*. Tu, Th., Sat., at 11. Professor SCHOFIELD. (XII)
Omitted in 1917-18, to be given in 1918-19.
This course requires a reading knowledge of Dano-Norwegian, such as may be obtained in Scandinavian 1

Primarily for Graduates

[2. Icelandic (Old Norse)]

Extensive reading in the Sagas, the Younger Edda, and the Elder Edda. Tu., at 11; Th., 2-4 Professor SCHOFIELD (XII)
Omitted in 1917-18

ROMANCE LANGUAGES AND LITERATURES

FRENCH

Primarily for Undergraduates

A. Elementary Course

French grammar, translation, and composition. *Three times a week*. Dr. HAWKINS, Mr. WESTON, and Mr. LINCOLN (VIII)
Course A is prescribed for those who cannot show that they have satisfactorily completed Elementary French. It will not count for a degree if Elementary French is counted for admission. The daily work of Course A is conducted in a number of sections meeting at hours announced at the opening of the College year, but for examination this course is assigned to Group VIII.

1. French Prose and Poetry

Translation from French into English I, II, Tu., Th., Sat., at 11, III, IV, V, Tu, Th, Sat., at 12. Dr. HAWKINS, and Messrs. RAICHE and LINCOLN. (XII or XIII)

Course 1 is conducted mainly in English. Sections I and II and Sections III-V have separate examinations. It is open to students who have passed in Course A or in Elementary French for admission, or who have done satisfactory work in a two years' course in French at school. It will not count for a degree if Advanced French is counted for admission. If taken by Seniors, Course 1 cannot be counted towards a degree.

2. French Prose and Poetry

Cornille; Racine; Molière; Victor Hugo; Alfred de Musset; Balzac; Flaubert; Daudet, Zola; etc. Composition. I-V, *Mon., Wed., Fri., at 10*; VI-X, *Mon., Wed., Fri., at 11*; XI-XII, *Mon., Wed., Fri., at 1.30*. Asst. Professor WHITTEM, and Messrs WESTON, MERCIER, RAICHE, and LINCOLN.

For examination this course is assigned to Group XV

(XV)

There are twelve sections in French 2. Most of them are conducted mainly in English, several of them mainly in French. Course 2 is open to students who have passed in Course 1, or in Advanced French for admission, or who have done satisfactory work in a three years' course in French at school, students who have passed in Course 4 with the grade of A may be admitted also.

3. French Composition (elementary course)

Mon., Wed., Fri., at 1.30. Mr RAICHE

(VI)

Course 3 is open to students who have a reading knowledge of French and are familiar with the principles of French grammar, but have had no exceptional opportunities for speaking French. Ordinarily it is not open to students who have taken French 6 or any higher course. See note under Course 4.

4¹/₂ French Composition (intermediate course)

Half-course (first half-year) Mon., Wed., Fri., at 2.30. Mr MERCIER

(VII)

Course 4 is open to students who have a good reading knowledge of French and have had some practice in hearing French. Courses 3 and 4 are conducted in French. In both of them hours will be arranged to suit the convenience of classes, if a division into sections is necessary. For the additional sections morning hours may be utilized.

For Undergraduates and Graduates

5¹/₂ French Composition (advanced course)

Half-course (second half-year) Mon., Wed., Fri., at 2.30 Mr MERCIER

(VII)

Course 5 is open to students who have passed in Course 4 with a grade not lower than B, or have done equivalent work.

Course 5 is conducted in French.

As far as possible, hours will be arranged to suit the convenience of classes, if a division into sections is necessary.

6. General View of French Literature

Reading, lectures, and explanation of texts. *Tu., Th., Sat., at 10* Professors GRANDGENT and FORD, and Asst. Professor ALLARD

(XI)

There are three sections which meet together once a week for lectures or tests. In at least one section the work will be conducted entirely in French, and in the others that language will be used as much as possible.

Course 6 is open to students who have passed in Course 2 (or in Course 1 with the grade of A or B) and to those who otherwise satisfy the instructor as to their fitness to take the course. See notes under Courses 9 and 16.

[7. French Literature in the Nineteenth Century]

Lectures, themes, and collateral reading. *Mon., Wed., Fri., at 11.* Asst. Professor ALLARD

(IV)

Omitted in 1917-18

Course 7 is conducted in French. See note under Course 16. With the consent of the instructor, French 7 may be taken in either half-year as a half-course.

8. French Literature in the Eighteenth Century

Lectures, themes, and collateral reading *Mon, Wed, Fri., at 11.* Asst. Professor ALLARD (IV)

To be omitted in 1918-19

Course 8 is conducted in French. It is open to students who have taken French 6 or French 9. With the consent of the instructor, Course 8 may be taken in the first half-year as a half-course.

9. French Literature in the Seventeenth Century

Lectures, themes, and collateral reading. *Mon, Wed, Fri., at 10* Professor WRIGHT (III)

Course 9 is conducted in English. It is open to students who have passed in Course 2 (or in Course 1 with the grade of A or B). Course 9 is especially recommended to candidates for Honors or the Degree with Distinction.

11 hf The History of the Tale and the Novel in France from the Fifteenth to the Nineteenth Century

Lectures, reading, and reports *Half-course Once a week* Dr HAWKINS

Course 11 is conducted in English. It is open to students who have passed in French 6 or have done equivalent work.

16. The Development of the French Drama in the Nineteenth Century

Lectures, collateral reading, and reports. *Mon, Wed, Fri., at 1 30* Asst. Professor ALLARD. (VI)

Course 16 is conducted in French. Courses 7 and 16 are open to students who have passed in Course 6. All others must obtain the consent of the instructor. With the consent of the instructor, French 16 may be taken in either half-year as a half-course.

15 hf Pascal and Port-Royal

Half-course Tu., at 11 Professor BABBITT. (XII)

Course 15 is conducted in English.

[18 hf. Chateaubriand and his Influence]

Half-course Tu., at 11 Professor BABBITT. (XII)

Omitted in 1917-18

Course 18 is conducted in English

[Comp. Lit. 9. Rousseau and his Influence]

Mon., Wed, Fri., at 12. Professor BABBITT. (V)

Omitted in 1917-18

Attention is called to the following courses in Comparative Literature. —

11. The Romantic Movement in the Nineteenth Century Professor BABBITT

30 hf. The Literary Relations of France and England in the Sixteenth and Seventeenth Centuries. Professor WRIGHT

Primarily for Graduates**†12. Old French Literature**

Rapid reading of texts, with consideration of their literary relations *Mon., Wed, and (at the pleasure of the instructor) Fri., at 10.* Professor SHELDON.

To be omitted in 1918-19

Course 12 and Romance Philology 7 are usually given in alternate years

Course 12 is conducted in English, and is open to students who have taken Romance Philology 3. With the consent of the instructor, others may be admitted.

[13. History of French Literature prior to the Fourteenth Century]Lectures and collateral reading *Tu., Th., at 11* Professor SHELDON. (XII)

Course 13 is conducted in English

[14. French Literature in the Fourteenth and Fifteenth Centuries]Lectures and reading of texts. *Twice a week.* Professors SHELDON and

FORD

Omitted in 1917-18

Course 14 is conducted in English

Course 14 may be taken in either half-year as a half-course

17. Literary Criticism in FranceLectures, reading, and a thesis *Mon., Fri., and (at the pleasure of the instructor) Wed., at 12* Professor BABBITT (V)

Usually given in alternate years

Course 17 is conducted in English

[19 hf. Historical French Syntax]Lectures, reading, reports, and a thesis. *Half-course Fri., at 11.* Professor FORD. (IV)

Omitted in 1917-18

Course 19 is conducted in English

[21. French Literature in the Sixteenth Century. Origins of French Classicism]Lectures, themes, collateral reading, and a thesis *Tu., Th., and (at the pleasure of the instructor) Sat., at 9.* Professor WRIGHT (X)

Omitted in 1917-18, given in alternate years

Course 21 is conducted in English

22 hf. French Prose in the Sixteenth CenturyRabelais, Montaigne. *Half-course. Once a week, and a second hour at the pleasure of the instructor.* Professor WRIGHT

To be omitted in 1918-19

Course 22 is conducted in English

[23 hf. Studies in the French Drama of the Seventeenth Century]Corneille; Racine; Molière. *Half-course Once a week.* Professor WRIGHT.

Omitted in 1917-18.

Course 23 is conducted in English

[25 hf. La Fontaine and the Fable in France]Lectures and reports *Half-course (second half-year) Twice a week.* Asst. Professor WHITEM.

Omitted in 1917-18

Course 25 is conducted in English.

Attention is called to the courses in Romance Philology, and also to the following course in Comparative Literature. —

22. Literary Criticism since the Sixteenth Century. Professor BABBITT

ITALIAN

Primarily for Undergraduates

1. Italian Grammar, reading, and composition

Modern Italian stories and plays. *Tu., Th., Sat., at 11.* Mr WESTON.
Course 1 is properly introductory to Courses 4, 5, 2, and 10. (XII)

Students are not permitted to elect Italian 1 and Spanish 1 in the same year.

For Undergraduates and Graduates

[4 *hf.* General View of Italian Literature]

Lectures, themes, reports, and collateral reading. *Half-course Once a week.* Mr. WESTON

Omitted in 1917-18

See note under Course 1.

[5. Modern Italian Literature]

Prose and poetry of the Eighteenth and Nineteenth Centuries Lectures and collateral reading. Composition. *Mon, Wed, Fri., at 1.30.* Mr. WESTON. (VI)

Omitted in 1917-18

See note under Course 1.

2. Italian Literature of the Fifteenth and Sixteenth Centuries

Torquato Tasso; Ariosto; Machiavelli; Benvenuto Cellini. *Mon, Wed, Fri., at 9.* Professor FORD and Mr. WESTON. (II)

See note under Course 1

10. The Works of Dante

Particularly the Vita Nuova and the Divine Comedy. *Tu, Th, Sat., at 11.* Professor GRANDGENT. (XII)

Course 10 is open to students who have a reading knowledge of Italian.

Primarily for Graduates

13. Beginnings of the Italian Language and Literature

Phonology and Morphology. Minor Authors of the Thirteenth and Fourteenth centuries *Tu., Th., at 9.* Professor GRANDGENT (X)

Usually given in alternate years.

Comp. Lit. 17 *hf.* The History of the Novel and the Tale in Italy and Spain from the Beginning of the Mediaeval Period to the Eighteenth Century

Half-course. Fri., at 12. Professor FORD. (V)

SPANISH

Primarily for Undergraduates

1. Spanish Grammar, reading, and composition

Modern Spanish novels and plays. I-II, *Mon, Wed, Fri*, at 9; III-V, *Mon., Wed, Fri*, at 10, VI-VII, *Mon, Wed, Fri*, at 11; VIII-IX, *Mon, Wed, Fri*, at 12, X, *Mon, Wed, Fri*, at 1 30. Asst. Professor WHITEM, and Messrs LINCOLN and RIVERA. (i)

For examination this course is assigned to Group I. It is not open to those who pass the Admission Examination in Spanish
Course 1 is properly introductory to Courses 4, 5, and 2
Students are not permitted to elect Italian 1 and Spanish 1 in the same year.

7¹hf. Spanish Composition (elementary course)

Half-course (first half-year) Tu, Th, Sat., at 11. Asst Professor WHITEM. (xii)

Course 7 is open to students who have passed in Course 1 with a grade not lower than C, or who otherwise satisfy the instructor of their fitness to take the course

For Undergraduates and Graduates

8²hf. Spanish Composition and Conversation (advanced course)

Half-course (second half-year). Tu, Th, Sat., at 11. Mr RIVERA. (xii)

Open to students who have passed in Course 7, 5, or 2 with a grade not lower than C, or have done equivalent work

[4 hf General View of Spanish Literature]

Lectures, themes, reports, and collateral reading *Half-course. Fri., at 12.* Professor FORD. (v)

Omitted in 1917-18, given in alternate years.
See note under Course 1.

5. Spanish Prose and Poetry of the Eighteenth and Nineteenth Centuries

Lectures and collateral reading on modern Spanish literature. Composition. *Mon, Wed, Fri, at 11.* Professor FORD, Asst Professor WHITEM, and Mr RIVERA (iv)

See note under Course 1

With the consent of the instructor, Course 5 may be taken as a half-course in either half-year.

2. Spanish Literature of the Sixteenth and Seventeenth Centuries

Cervantes; Lope de Vega; Calderón. *Tu, Th., Sat., at 9.* Professor FORD and Asst. Professor WHITEM. (x)

See note under Course 1.

With the consent of the instructor, Course 2 may be taken as a half-course in either half-year

Primarily for Graduates

[3. Early Spanish]

The Poem of the Cid Spanish literature to the sixteenth century *Two hours a week* Professor FORD

Omitted in 1917-18, usually given in alternate years.

Comp. Lit. 17 *hf* The History of the Novel and the Tale in Italy and Spain from the Beginning of the Mediaeval Period to the Eighteenth Century

Half-course Fri, at 12 Professor FORD. (v)

ROMANCE PHILOLOGY

Primarily for Graduates

3. Old French

Phonology and inflections. The oldest texts *La Chanson de Roland, Chrétien de Troyes, Aucassin et Nicolette Tu, Th, and (at the pleasure of the instructor) Sat., at 10.* Professor SHELDON. (xi)

[4. Provençal]

Language and literature, with selections from the poetry of the troubadours *Tu., Th, at 9.* Professor GRANDGENT. (x)

Omitted in 1917-18, usually given in alternate years

‡5 *hf*. Vulgar Latin

Half-course Sat., at 9. Professor GRANDGENT (x)

To be omitted in 1918-19

Usually given in alternate years

‡6 ¹/_{hf}. Portuguese

Language and literature. Old Portuguese lyric verse: Gil Vicente; Sá de Miranda; Camões *Half-course (first half-year) Two hours a week.* Professor FORD

Usually given in alternate years

[7. Anglo-French and the French Element in English]

Reading of texts; lectures. *Mon., Wed, and (at the pleasure of the instructor) Fri, at 10.* Professor SHELDON. (iii)

Omitted in 1917-18

Course 7 and French 12 are usually given in alternate years

COURSES OF SPECIAL STUDY

20 The instructors in Romance Languages hold themselves ready to assist and advise competent Graduate Students who may propose plans of special study, linguistic or literary

‡SEMINARY

During 1917-18, students and instructors will meet once in two weeks for research in special fields. The meetings of the first half-year will be devoted to "Exercises in Text Criticism," under the direction of Professor SHELDON; those of the second half-year will be devoted to "Studies on the Poetry of Victor Hugo, especially the *Légende des Siècles*," under the direction of Professor ALLARD.

Attention is called to Comparative Philology 2, Fine Arts 20f and 20h, and to the following courses in Comparative Literature. —

16a hf. The History of Pastoral Literature. Professor E. K. RAND

17 hf. The History of the Novel and the Tale in Italy and Spain. Professor FORD.

Comparative Literature 20g, 20h, 20i, and 20l are courses of special research which deal with Romance subjects.

CELTIC

Primarily for Graduates

1 hf Old Irish

Grammar and interpretation of texts. Thurneysen's *Handbuch des Altirischen*. General introduction to Celtic philology. *Half-course (first half-year)*. *Three times a week*. Professor F. N. ROBINSON.

2 hf Middle Irish

Windisch's *Irische Texte*. Lectures on the history of Irish literature. *Half-course (second half-year)*. *Three times a week*. Professor F. N. ROBINSON.

It is intended to offer Course 2 in alternate years

[3 hf Old and Middle Welsh]

Grammar and interpretation of texts. The *Mabinogion* and other selections from the Red Book of Hergest. Lectures on early Welsh literature. *Half-course*. *Once a week, with a second hour at the pleasure of the instructor*. Professor F. N. ROBINSON.

Omitted in 1917-18

It is intended to offer Course 3 in alternate years

COURSE OF SPECIAL STUDY

20. Investigation of Special Subjects in Celtic Philology

Opportunities are afforded to competent students for the investigation of special subjects in Celtic philology. Professor F. N. ROBINSON.

THE CELTIC CONFERENCE

Instructors and students interested in Celtic subjects will hold fortnightly conferences for reading and for the presentation of the results of investigation. In 1917-18 the meetings will be chiefly devoted to the study of the poetry of Dafydd ap Gwilym

SLAVIC LANGUAGES

For Undergraduates and Graduates

1a. Russian

Grammar, reading, and composition. *Tu., Th., Sat., at 9.* Professor WIENER. (X)

1b. Russian

Literature of the Nineteenth Century. Pushkin, Gogol; Turgenev; Tolstoy. Composition. *Tu., Th., Sat., at 12.* Professor WIENER. (XIII)

[2a. Polish]

Grammar, reading, and composition. *Three times a week.* Professor WIENER.

Omitted in 1917-18

2b. Polish

Literature of the Nineteenth Century. Mickiewicz; Krasinski, Slowacki; Pol; Kalina; Sienkiewicz *Three times a week.* Professor WIENER.

4¹/₂f. Introduction to the History of Russian Literature

Lectures in English, and collateral reading of representative works *Half-course (first half-year).* *Mon., Wed., Fri., at 1.30.* Professor WIENER (VI)

*5¹/₂f. Tolstoy and his Time

Lectures in English, reading of Tolstoy and other contemporary authors in English translation. *Half-course (second half-year).* *Mon., Wed., Fri., at 1.30.* Professor WIENER. (VI)

Courses 4 and 5 require no knowledge of Russian.

Primarily for Graduates

3a¹/₂f. Old Church Slavic

Leskien's *Handbuch der Altbulgarischen Sprache.* *Half-course (first half-year).* *Three times a week* Professor WIENER.

3b¹/₂f. General Survey of Slavic Philology.

Reading of Slavic texts. *Half-course (second half-year).* *Three times a week.* Professor WIENER.

COMPARATIVE LITERATURE

For Undergraduates and Graduates

[6a ¹/₂. The Literary History of England and its Relations to that of the Continent from the Beginning to Chaucer]

Half-course (first half-year) Tu, Th, and (at the pleasure of the instructor)

Sat, at 10 Professor SCHOFIELD (XI)

Omitted in 1917-18

[6b ²/₂. The Literary History of England and its Relations to that of the Continent from Chaucer to Elizabeth]

Half-course (second half-year). Tu., Th., and (at the pleasure of the instructor) Sat, at 10 Professor SCHOFIELD

(XI)

Omitted in 1917-18

30 ¹/₂. The Literary Relations of France and England in the Sixteenth and Seventeenth Centuries

Half-course (first half-year) Tu, Th, at 9 Professor WRIGHT (X)

[9. Rousseau and his Influence]

Mon, Wed, Fri, at 12. Professor BABBITT (V)

Omitted in 1917-18, to be given in 1918-19.

Open only to students who read French readily.

[10 ¹/₂. The Influence of English Literature upon German Literature in the Eighteenth Century]

Half-course (second half-year) Mon, Wed, and (at the pleasure of the instructor) Fri, at 9 Professor WALZ

(II)

Omitted in 1917-18

11. The Romantic Movement in the Nineteenth Century

Tu., Th, Sat, at 12. Professor BABBITT. (XIII)

12 ¹/₂. Types of Fiction in the Eighteenth and Nineteenth Centuries

Half-course (first half-year). Tu, Th, Sat, at 9. Professor BLISS PERRY

and an assistant (X)

Usually Course 12 will be given as a full course.

[32 ¹/₂. Lyric Poetry]

An introduction to the study of poetics, with special attention to the

nature and forms of lyric verse. *Half-course (first half-year)* Tu., Th.,

Sat, at 9. Professor BLISS PERRY and an assistant. (X)

Omitted in 1917-18, to be given in 1918-19.

This course must be taken by undergraduates who wish to elect English 55 ²/₂.

[19 ²/₂. The Forms of the Drama]

Half-course (second half-year). Tu., Th., Sat., at 9. Professor BAKER (X)

Omitted in 1917-18.

8 ¹/₂h. Goethe's Faust; with a Study of Kindred Dramas in European Literature*Half-course (second half-year) Tu, Th, Sat, at 12* Professor WALZ (XIII)

This course is conducted in German

[13 ¹/₂h. Danish and Norwegian Dramatists and their Relations to European Literature]

Special attention is paid to Holberg, Oehlenschläger, Bjornson, and Ibsen

Half-course (second half-year). Tu, Th, Sat, at 11. Professor SCHOFIELD.

Omitted in 1917-18

(XII)

Course 13 requires a reading knowledge of Dano-Norwegian, such as may be obtained in Scandinavian 1

Primarily for Graduates**5 ¹/₂h. The History of Classical Culture in the Middle Ages***Half-course (first half-year). Mon, Wed., Fri., at 2 30.* Professor E. K.

RAND.

(VII)

[7. The Literature of the Renaissance]*Mon., Wed, and (at the pleasure of the instructor) Fri., at 11.*

(IV)

Omitted in 1917-18

[16a ²/₂h The History of Pastoral Literature]The classical pastoral and the Latin pastoral of the Middle Ages and the Renaissance. *Half-course (second half-year) Mon., Wed, Fri., at 12.*

Professor E. K. RAND.

(V)

Omitted in 1917-18.

17 ¹/₂h. The History of the Novel and the Tale in Italy and Spain from the Beginning of the Mediaeval Period to the Eighteenth Century*Half-course. Fri., at 12* Professor FORD

(V)

[22. Literary Criticism since the Sixteenth Century]Lectures and theses. *Tu, Th, Sat., at 12.* Professor BABBITT.

(XIII)

Omitted in 1917-18, to be given in 1918-19

[24 ¹/₂h Political Satire in Europe since the Renaissance]*Half-course (second half-year). Tu, Th., Sat, at 11* Professor BLISS

PERRY.

(XII)

Omitted in 1917-18.

25 ¹/₂h. The English and Scottish Popular BalladsLectures and theses. *Half-course (first half-year). Mon, Wed, Fri., at 9.*

Professor KITPREDGE.

Course 25 is for Graduate Students only.

[26 ¹/₂f. The Early English Metrical Romances]

Lectures and theses *Half-course (first half-year)*. Mon, Wed., Fri., at 9.
Professor KITTREDGE.

Omitted in 1917-18, to be given in 1918-19

Course 26 is open to those students only who are acquainted with Middle English and Old French.

[27 ¹/₂f. English Literature of the Fourteenth and Fifteenth Centuries and its Relations to Continental Literature]

Lectures and theses *Half-course (first half-year)* Wed., 2 30-4.30. Pro-
fessor SCHOFIELD. (VII)

Omitted in 1917-18

[28 ¹/₂f. German Literature in the Sixteenth Century and its Relation to English Literature]

Brant, Hutten, Luther, Hans Sachs, Fischart Popular literature in prose and verse. The drama Lectures, with collateral reading. *Half-course (first half-year)*. Tu, Th, at 12. Asst. Professor W G HOWARD. (XIII)

[34 ²/₂f. The Dramatic Works of Grillparzer, considered in their Relations to European Literature]

Lectures and theses *Half-course (second half-year)* Th, 3 30-5 30. Asst. Professor W G HOWARD (XVI)

Omitted in 1917-18, to be given in 1918-19.

[35 ²/₂f. Life in the Middle Ages, as illustrated by Contemporary Literature]

Lectures and theses *Half-course (second half-year)* Three hours a week
Asst Professor K G T WEBSTER

Omitted in 1917-18

COURSES OF SPECIAL STUDY

20. Original Investigation in Special Topics

Opportunities are afforded to competent Graduate Students, under the guidance of instructors, for original investigations in special topics concerning the Relations of any of the Literatures below enumerated to literatures in other tongues. Students should consult Professor KITTREDGE

20a. Semitic

Professor G. F. MOORE.

20b. Sanskrit and Pali

Professor LANMAN.

20c. Greek

Professor WEIR SMYTH.

20d. Latin

Professor A. A. HOWARD.

20e. Irish and Welsh

Professor F. N. ROBINSON.

[20f. Icelandic]

Professor SCHOFIELD

Omitted in 1917-18

20g. Provençal

Professor GRANDGENT

20h. Spanish and Catalan

Professor J D M. FORD.

20i. Italian

Professor GRANDGENT

20j. Middle High German

Professor WALZ.

20k. Slavic

Professor WIENER

20l. Latin-American

Professor J D M. FORD

[20m. The Fine Arts in Europe.]

Asst Professor POST

Omitted in 1917-18

COMPARATIVE PHILOLOGY**Primarily for Graduates****[2a hf. General Introduction to Linguistic Science]**

Phonetics. The pronunciation of English, French, German, and Latin.
Half-course. Sat., at 9. Professor GRANDGENT. (x)

Omitted in 1917-18, usually given in alternate years

[2b hf. General Introduction to Linguistic Science]

The principles of change in language *Half-course. Mon., Fri., at 10.*
Professor VON JÄGEMANN. (III)

Omitted in 1917-18

Attention is called to the following courses —

Indic Philology 1 Elementary Sanskrit Professor LANMAN.

English 3a ¹/₂ Anglo-Saxon Dr. BAUM.

English 19 ²/₂ Historical English Grammar Professor F N ROBINSON.

German 12a ¹/₂ Gothic Introduction to Germanic Philology Professor VON JAGEMANN.

German 12b ²/₂ Introduction to the Study of Germanic Philology (continued). Professor VON JAGEMANN

German 14 ²/₂ Old Saxon Professor VON JAGEMANN.

German 15 ²/₂ Old High German Professor VON JAGEMANN.

Scandinavian 2. Icelandic. Professor SCHOFFIELD

Romance Philology 5 ¹/₂ Vulgar Latin Professor GRANDGENT.

Celtic 1 ¹/₂ Old Irish Professor F. N. ROBINSON

Celtic 3 ¹/₂ Old and Middle Welsh Professor F N ROBINSON

Slavic 8a ¹/₂ Old Church Slavic Professor WIENER

Slavic 8b ²/₂ General Survey of Slavic Philology. Professor WIENER

THE FINE ARTS

Primarily for Undergraduates

1a. Principles of Drawing and Painting, with elementary practice

Tu, Th., at 2 30, and two other hours. Asst. Professor POPE and Mr. MOWER (xv)

This course is required for admission to more advanced courses in drawing and painting

This course will count as a half-course only for those students who after taking it remove a condition in elective work by the admission examination in Freehand Drawing

[*1b ¹/₂. Elementary Drawing]

Half-course. Five hours a week.

Omitted in 1917-18.

This course is intended for students who desire only an elementary training in drawing. It does not admit to more advanced courses.

Students who take this course may not use the admission examination in Freehand Drawing to remove an admission condition in elective work

For Undergraduates and Graduates

1c ¹/₂. History of Ancient Art

Half-course (first half-year). Mon, Wed, Fri, at 11 Professor CHASE, assisted by Mr COOK. (iv)

See note under Course 1d.

1d ²/₂. History of Mediaeval, Renaissance, and Modern Art

Half-course (second half-year) Mon, Wed, Fri, at 11 Asst Professor EDGELL, assisted by Mr. COOK (iv)

Courses 1c and 1d are introductory courses, for which no previous study of Fine Arts is required Taken together, they are intended to cover the whole history of art.

1f. Principles of Landscape Architecture, illustrated by a study of examples

Lectures, with collateral reading, conferences, and special reports *Mon, Wed., Fri., at 9.* Professor PRAY. (II)

Course 1f is the same as Landscape Architecture 1, announced by the School of Landscape Architecture. Except by special permission this course is not open to undergraduates till after the Sophomore year.

2a. Freehand Drawing

Tu., Th., Sat., 9-11. Asst Professor POPE. (x and xi)

Course 1a or its equivalent is required for admission to this course

2b. Freehand Drawing (second course)

Tu., Th., Sat., 9-11. Asst. Professor POPE (x and xi)

Course 2b may be taken in successive years. It may be taken in either half-year as a half-course.

2c. Drawing and Painting (advanced course)

Mon., Wed., Fri., 9-11. Asst. Professor POPE. (II and III)

Course 2c may be taken in successive years. It may be taken in either half-year as a half-course.

2f¹hf. Perspective

The theory of perspective and its application to architectural subjects — Lectures and practice *Half-course (first half-year).* *Tu, Th., 9-12.* Mr. FROST. (x-xii)

Course 2f is the same as Architecture 3a, announced by the School of Architecture

2g. The Forms of Ancient and of Early Mediaeval Architecture, with special reference to the Classic Styles

Drawing and conferences. *Mon and Fri., 2 to 5.* Mr FROST (vi-viii)

Courses 2g and 3a are together the same as Architecture 1a announced by the School of Architecture. Course 2g can be counted for the degree only when taken together with or subsequently to Course 3a

3a. History of the Ancient and Early Mediaeval Styles of Architecture

Mon, Fri, and (at the pleasure of the instructor) Wed, at 12. Mr. C. HOWARD WALKER. (v)

See note under Course 2g

3b¹hf. History of Greek Sculpture

Half-course (second half-year) *Mon, Wed., Fri., at 9.* Professor CHASE. (II)

[3c ²/_{hf}. The Athenian Acropolis]

Half-course (second half-year) Mon, Wed, Fri, at 9 Professor CHASE. (II)
Omitted in 1917-18.

4a ¹/_{hf}. History of the Gothic Styles of Architecture

Lectures, conferences, and drawing *Half-course (first half-year)* Tu, Th, and (at the pleasure of the instructor) Sat, at 12 Mr C HOWARD WALKER (XIII)

Course 4a is the same as Architecture 1b, announced by the School of Architecture. Except by special permission, it is open to those students only who have passed satisfactorily in Course 3a

[4b ¹/_{hf}. History of Mediaeval Sculpture]

Half-course (first half-year). Tu, Th, and (at the pleasure of the instructor) Sat, at 10 Asst Professor EDGELL (XI)
Omitted in 1917-18

5a ²/_{hf}. History of Renaissance and Modern Architecture

Lectures, conferences, and drawing *Half-course (second half-year)*. Tu., Th., and (at the pleasure of the instructor) Sat, at 12. Mr C HOWARD WALKER. (XIII)

Course 5a is the same as Architecture 1c, announced by the School of Architecture. Except by special permission, it is open to those students only who have passed satisfactorily in Course 3a

[5b ²/_{hf}. History of Renaissance Sculpture]

Half-course (second half-year) Mon., Wed, and (at the pleasure of the instructor) Fri., at 12. Asst Professor POST. (V)
Omitted in 1917-18

[5c ¹/_{hf}. The Central Italian Painters of the Renaissance]

Half-course (first half-year). Tu., Th, and (at the pleasure of the instructor) Sat., at 10. Asst. Professor EDGELL. (XI)
Omitted in 1917-18, to be given in 1918-19

[5d ¹/_{hf}. Venetian Painting]

Half-course (first half-year). Mon., Wed, Fri, at 10. Asst Professor POPE. (III)
Omitted in 1917-18

*5e ¹/_{hf}. History of the Printed Book

Half-course (first half-year). Tu., Th, at 3 30. Mr. WINSHIP. (XVI)

[5f ¹/_{hf}. History and Principles of Engraving]

Half-course (first half-year). Mon, Wed, Fri, at 9, and three hours per week for study at the Fogg Museum and at the Museum of Fine Arts, Boston. Mr CARRINGTON (II)
Omitted in 1917-18.

[*5g ²/_{hf}. Methods and Processes of Italian Painting]

Half-course (second half-year) Two hours a week, and a third hour at the pleasure of the instructor Mr E. W FORBES.

Omitted in 1917-18

5h ¹/_{hf}. The History of Florentine Painting

Half-course (first half-year) Tu, Th, and (at the pleasure of the instructor) Sat, at 10. Asst. Professor EDGELL (XI)

[5i ¹/_{hf}. History and Principles of Landscape Painting]

Half-course (first half-year). Mon, Wed, Fri, at 10. Asst Professor POPE. (III)

Omitted in 1917-18

[5k ¹/_{hf}. History of Flemish Painting]

Half-course (first half-year). Tu, Th., and (at the pleasure of the instructor) Sat, at 12. Asst Professor EDGELL. (XIII)

Omitted in 1917-18

5m ¹/_{hf} Dürer, Holbein, and Cranach

Half-course (first half-year). Tu., Th., and (at the pleasure of the instructor) Sat., at 9. Asst. Professor SACHS. (X)

[5n ¹/_{hf}. Leonardo, Michelangelo, and Raphael]

Half-course (first half-year). Tu, Th, and (at the pleasure of the instructor) Sat, at 10 Asst Professor EDGELL. (XI)

Omitted in 1917-18, to be given in 1918-19

[*5p ¹/_{hf}. Florentine Engraving]

Half-course (first half-year). Tu, at 9 (Fogg Art Museum), and two additional consecutive hours (Museum of Fine Arts, Boston) at the pleasure of the instructor Mr CARRINGTON (X)

Omitted in 1917-18

[7a ²/_{hf} The Art of Asia]

Half-course (second half-year).

Omitted in 1917-18.

[8a ¹/_{hf}. Theory of Design]

Lectures, with explanatory exercises Half-course (second half-year). Mon., Wed., and (at the pleasure of the instructor) Fri., at 10. Asst Professor POPE (III)

Omitted in 1917-18

Fine Arts 1a or its equivalent is ordinarily required for admission to this course

[8d ¹/₂f. Theory of Design (advanced course)]

Half-course (second half-year). Mon, Wed, and (at the pleasure of the instructor) Fri, 9 to 11. Asst Professor POPE (III)

Omitted in 1917-18

Fine Arts 8a or its equivalent is required for admission to this course.

[9a. Art and Culture of Italy in the Middle Ages and the Renaissance]

Mon, Wed, and (at the pleasure of the instructor) Fri, at 12. Asst Professor POST. (V)

Omitted in 1917-18.

[9b ¹/₂f. Art and Culture of Spain]

Half-course (first half-year) Mon, Wed, and (at the pleasure of the instructor) Fri., at 12 Asst Professor POST. (V)

Omitted in 1917-18

[9c ¹/₂f. History and Development of the House]

Half-course (second half-year) Tu, Th., and (at the pleasure of the instructor) Sat, at 11 Mr. FROST. (XII)

Omitted in 1917-18

10a. Principles of Architectural Design and their Application

Elements of Form in Architecture and the Allied Arts — Lectures, conferences, and practice *Tu, 9-1; Th, 10-11, and other hours Mr FROST.*

(X-XIII)

Course 10a is the same as Architecture 2a, announced by the School of Architecture, see note under Course 10b It is an introductory course in design, including elementary problems in architectural and garden design, intended especially for students looking forward to the professional study of Landscape Architecture

10b. Elementary Architectural Design

Elements of Architectural Form. — The Orders. — Introductory Problems in Architectural Design. *Mon, Wed, Fri, 2-5 30, and other hours (to be counted as a course and a half). Mr. FROST, with occasional criticism by Associate Professor HUMPHREYS* (VI-VIII)

Course 10b is the same as Architecture 4a, announced by the School of Architecture It is open to those students only who either take or have taken Courses 1a and 3a and Engineering Sciences 3b. It is intended especially for students looking forward to the professional study of architecture. Courses 10a and 10b are parallel courses and cannot both be counted for a degree.

COURSES OF SPECIAL STUDY

Competent graduate students are afforded opportunities for advanced study in special fields, as follows. —

120a. History of Engraving

Mr. CARRINGTON.

20c. Theory and Practice of Drawing and Painting

Dr. ROSS

20d. History of Architecture**20e. History of Ancient Art**

Professor CHASE.

20f. History of Italian Art

Asst Professor EDGELL and Mr. E W FORBES.

20g. History of Painting

Asst. Professor POPE.

[20h. History of Spanish Art]

Asst. Professor POST

Omitted in 1917-18

20i. History of the Printed Book

Dr. WINSHIP

Attention is also called to the following courses —

Egyptology 4¹/₂f. History of Egyptian Art. Professor REISNER.

Greek 10 A Survey of Greek Civilization Professor GULICK.

Latin 10. A Survey of Roman Civilization Professor CLIFFORD H. MOORE.

Classical Archaeology 1a¹/₂f. Greek Archaeology. Professor CHASE.

Classical Archaeology 1b²/₂f Etruscan and Roman Archaeology Professor CHASE.

Classical Archaeology 5²/₂f. Greek Numismatics Professor CHASE.

Classical Archaeology 6²/₂f Greek Vases. Professor CHASE.

Italian 2 Italian Literature of the Fifteenth and Sixteenth Centuries. Professor FORD and Mr. WESTON

Italian 5 Modern Italian Literature Mr. WESTON.

History 37¹/₂f. Hellenistic Culture its Character and Spread Professor FERGUSON.

Comparative Literature 5¹/₂f. The History of Classical Culture in the Middle Ages Professor E. K. RAND

Comparative Literature 35²/₂f. Life in the Middle Ages, as illustrated by Contemporary Literature Asst. Professor WEBSTER.

Philosophy 10²/₂f Aesthetics. Asst Professor LANGFELD.

MUSIC

For Undergraduates and Graduates

1. Harmony, the Grammar of Music*Tu., Th., 1.30-3.* Asst Professor HEILMAN.

(xiv and xv)

Some ability in pianoforte or organ playing is required of students who take Course 1.

1a. Advanced Harmony and Harmonic Analysis*Tu., Th., and (at the pleasure of the instructor) Sat., at 9.* Asst Professor DAVISON. (x)

This course is designed to supplement the technical training begun in Music 1, and also to furnish the opportunity for gaining a wider knowledge of the many significant innovations found in modern harmony

Music 1 and 1a should be taken in successive years by those who wish to obtain a comprehensive harmonic training in preparation for Music 2

2. Counterpoint*Mon., Wed., Fri., at 9* Asst Professor DAVISON

(ii)

Course 2 requires knowledge of Harmony

[2a hf. Vocal Composition]Part-writing, strict and free, together with analysis of choral works of the great composers *Half-course. Mon., and (at the pleasure of the instructor)**Fri., at 11* Asst Professor DAVISON

(iv)

Omitted in 1917-18

Course 2a is supplementary to Course 2

3. History of Music from the Time of Bach to the Present DayLectures, reading, and reports, comprehensive vocal and instrumental illustrations *Mon., Wed., Fri., at 12* Mr. E B HILL

(v)

In order to cover the expense of the vocal and instrumental illustrations in this course a fee of \$2.50 will be charged each student

Course 3 requires practical knowledge of vocal or instrumental music.

4. The Appreciation of MusicAnalytical study of masterpieces from the point of view of the listener. The course is illustrated by selections from symphonic and pianoforte literature. *Tu., Th., and (at the pleasure of the instructors) Sat., at 10.* Associate Professor SPALDING and Mr BALLANTINE. (xi)

In order partially to cover the cost of the scores used in the class-room, a fee of \$2.50 will be charged each student taking Course 4

Primarily for Graduates

[4a hf Brahms and Franck]

An analytical and appreciative study of the works of Brahms and Franck, with reference to style, structure, and content *Half-course. Wed., and (at the pleasure of the instructor) Fri., at 10* Asst. Professor HEILMAN. (III)

Omitted in 1917-18

Course 4a is open, except by special permission, only to students who have taken Course 4

[4b hf D'Indy, Fauré, Debussy]

A critical study of the contributions of D'Indy, Fauré, and Debussy to modern music. *Half-course Tu., and (at the pleasure of the instructor) Th., at 12.* Mr. E. B. HILL (XIII)

Omitted in 1917-18

Course 4b is open, except by special permission, only to students who have taken Course 4. This course aims to show the sources which have influenced the individual styles of D'Indy, Fauré, and Debussy, to touch upon the work of Chabrier, Charpentier, Dukas, and Ravel, and to indicate the specific characteristics of the modern French idiom in comparison with that of other countries

5. Canon and Fugue

Tu., Th., and (at the pleasure of the instructor) Sat., at 11. Associate Professor SPALDING. (XII)

Course 5 requires knowledge of Harmony and Counterpoint and proficiency in pianoforte playing

†6. Instrumentation

Mon., Fri., and (at the pleasure of the instructor) Wed., at 10. Mr. E. B. HILL.

Course 6 requires knowledge of Harmony and Counterpoint. (III)

In Course 6 musicians will be employed in the class-room to exhibit the characteristics of all the instruments of the orchestra

In order partially to cover the expense for the comprehensive orchestral illustrations in this course a fee of \$10 will be charged to each student

[7 hf. A Preliminary Course in Composition, devoted chiefly to the smaller forms]

Half-course. Tu., and (at the pleasure of the instructor) Th., at 3 30. Mr. E. B. HILL. (XVI)

Omitted in 1917-18

Course 7 requires knowledge of Harmony and Counterpoint and proficiency in pianoforte playing

This course is designed to furnish thorough training in detail relating to sentence formation, two and three part forms, the variation forms, and the various types of rondo leading up to sonata form

All students of Music are advised to supplement their work by suitable courses in Italian, French, and German, and such courses are required of those who intend to try for a Degree with Distinction in Music or for Honors in Music.

COURSE IN ORIGINAL COMPOSITION

20. Advanced Work in Original Composition

Opportunities are afforded to graduate students who have sufficient preliminary training to carry on advanced work in original composition or to investigate any historical or literary subject connected with the art of music. The instructors in the department hold themselves ready to assist in planning and criticising such work.

Attention is called to the following courses —

German 8 German Literature in the Twelfth and Thirteenth Centuries. Professor WALK

German 29 The Life and Writings of Richard Wagner Professor H. S. WHITE.

Italian 2 Italian Literature of the Fifteenth and Sixteenth Centuries Professor FORD and Mr. WESSEX.

GROUP II

HISTORY OF SCIENCE

For Undergraduates and Graduates

1. History of the Physical and Biological Sciences (introductory course)

Tu, Th., Sat., at 10 Asst Professor HENDERSON. (XI)

Course 1 is open to students who have passed in college at least the equivalent of a full course in some department of natural sciences

***2a ¹/_{hf} History of Physics to (and including) Newton**

The progress of physics in its relation to the progress of civilization. *Half-course (first half-year). Tu., Th., Sat., at 12* Dr. SARTON. (XIII)

See note under Course 3

***2b ²/_{hf} History of Physics in the Eighteenth and Nineteenth Centuries**

The progress of physics in its relation to the progress of civilization. *Half-course (second half-year) Tu, Th., Sat., at 12.* Dr SARTON. (XIII)

See note under Course 3

***3 ³/_{hf}. Science and Civilization in the Fifteenth and Sixteenth Centuries**

Half-course (second half-year) . Tu, Th., Sat., at 11. Dr SARTON (XII)

No student who has not taken a whole course in Science may count Course 2a, Course 2b, or Course 3 for distribution

PHYSICAL SCIENCES

PHYSICS

Primarily for Undergraduates

B. Elementary Physics

Lectures (*Wed., at 12*), laboratory work (*one two-hour exercise a week*), and recitations or conferences (*two hours a week*) Professor HALL and Dr. NUSBAUM. (V)

The laboratory exercises of Course B are in the morning hours of Friday and Saturday. Course B is for beginners in Physics and cannot be counted for a degree by students who have passed in the Physics of the requirements for admission

C. Experimental Physics. — Mechanics, Sound, Heat, Light, Magnetism, and Electricity

Lectures (*Th., at 12*), laboratory work (*one afternoon each week, from 2 to 6*), and recitations or conferences (*one hour a week on Tu. morning*). Professor SABINE, Dr BRINSMADE, Mr C. W. MILLER, and Mr. SCHAEFFER (XIII)

Sections for laboratory work of Course C will be arranged for *Mon, Tu, Wed., Th, and Fri. afternoons*, and, in case of a sufficient demand, for certain mornings from 8 to 12. Course C is intended for students who have taken Course B or who have passed in the Physics of the requirements for admission, but may be taken by others who satisfy the instructor of their fitness to profit by it.

1. General Descriptive Physics

Lectures (*Tu, Sat, at 12*), and laboratory work (*one two-hour exercise a week*) Professor HALL and Dr GARDNER (XIII)

The laboratory work in Course 1 is supplementary to the study of a general text-book. Course 1 is intended for students who have taken Course B or who have passed in the Physics of the requirements for admission, but may be taken by others who satisfy the instructor of their fitness to profit by it.

For Undergraduates and Graduates

*2¹/₂f. Light

Laboratory work (*two afternoons a week*) in interference, diffraction, polarization, and double refraction *Half-course (first half-year)* Dr GARDNER.

Students taking this course must have taken or be taking Course 5

3. Electrostatics, Electrokinematics, and parts of Electromagnetism

Lectures (*Tu, Th, at 12*), and laboratory work (*at least four hours a week*).

Asst Professor CHAFFEE and Mr C. G. SMITH (XIII)

Course 3 is adapted to students who take or have taken Mathematics 2 or an equivalent, and should be preceded by Course C or Course 1. It may be taken, however, by students who have received the grade of A in Physics B and who have obtained the permission of the Chairman of the Department.

[12a¹/₂f Electric Conduction in Gases and Radioactivity, with special reference to Modern Theories of the Constitution of Matter]

Half-course (first half-year). Mon, Wed, Fri, at 12. Professor LYMAN. (V)

Omitted in 1917-18

Course 12a is open to students who take or have taken Mathematics 2 and should be preceded by Course C or 1

[17²/₂f Electric Waves and their Application to Wireless Telegraphy]

Half-course (second half-year). Tu, Th, Sat, at 11 Mr FIELD (XII)

Omitted in 1917-18

Course 17 is open to students who have completed an equivalent of Course C or Course 1, and have an elementary knowledge of the Calculus. It cannot be counted for a degree if taken after Course 4b

4a²/₂f. The Theory of Transient Phenomena and Alternating Currents

Half-course (second half-year). Lectures (Tu, Th, Sat, at 10). Asst Professor CHAFFEE. (XI)

Course 4a is intended for students who have taken Mathematics 2 or its equivalent. It may be taken with Physics 3

4b¹/₂f Maxwell's Electromagnetic Theory. — Electric Oscillations and Electric Waves

Half-course (first half-year). Lectures (Tu., Th, at 9) and laboratory work (four hours a week) Asst Professor CHAFFEE and Mr. FIELD (X)

Course 4b is intended for students who have taken Course 4a or its equivalent.

***4c¹/₂f. Radiotelegraphy**

Half-course (second half-year). Lectures (*Tu, Th., at 9*) and laboratory work (*four hours a week*) Asst Professor CHAFFEE and Mr FIELD (X)
Course 4c is an advanced course in the mathematical theory and practical development of electric wave telegraphy, and is open to students who have completed Physics 4b.

5. Light

Lectures *Three times a week* Professor SABINE.

Course 5 is an advanced course in Physical Optics and is arranged for students making a specialty of Pure Physics. It requires a knowledge of the Calculus. Students taking this course must have taken or must be taking Course 2.

6a¹/₂f. Elements of Thermodynamics

Half-course (first half-year) Mon, Wed, Fri., at 9. Professor HALL. (II)
Course 6a is open to students who have taken Mathematics 2 or an equivalent and are familiar with the elementary facts and principles of Heat.

6b²/₂f. Modern Developments and Applications of Thermodynamics

Half-course (second half-year) Mon, Wed, Fri., at 9. Professor HALL (II)
Course 6b is open to students who have taken Course 6a or who otherwise satisfy the instructor of their fitness to profit by it.

[*15. Radiation and the Quantum Theory]

Mon, Wed, Fri., at 10. Professor G. W. PIERCE

(III)

Omitted in 1917-18

Primarily for Graduates**[7²/₂f. The Kinetic Theory of Gases]**

Half-course (second half-year). Professor HALL

Omitted in 1917-18

Course 7 is offered in alternate years

[8a¹/₂f. Thermal Properties of Matter]

Half-course (first half-year) Asst. Professor H. N. DAVIS.

Omitted in 1917-18

Course 8a is open to students who have taken Courses 6a and 6b or who otherwise satisfy the instructor of their fitness to profit by it.

[*8b²/₂f. Thermal Measurements]

Lectures and laboratory work. *Half-course (second half-year) Two after-
noons a week.* Asst. Professor H. N. DAVIS.

Omitted in 1917-18

Course 8b is intended to give training in the technique of heat measurements, especially to students contemplating research in heat.

[*12b²/₂f. Radioactivity]

Half-course (second half-year) Lectures, *Mon., Fri., at 12,* and laboratory work (*eight hours a week*). Professor LYMAN

(V)

Omitted in 1917-18.

Course 12b is open to students who have passed satisfactorily in Course 12a or who satisfy the instructor of their fitness to profit by this course.

[13²/₂f. X-Ray Phenomena]

Half-course (second half-year).

Omitted in 1917-18.

[14 $\frac{1}{2}$ f. Hydrodynamics]*Half-course (second half-year)* Asst Professor BRIDGMAN

Omitted in 1917-18

[16 $\frac{1}{2}$ f Elasticity]*Half-course (second half-year)* Asst Professor BRIDGMAN.

Omitted in 1917-18

This course is open to students who have taken Mathematics 5 or its equivalent, and Physics 6a

Courses 14 and 16 are usually given in alternate years

[9. The Classical Theory of Electricity and Magnetism]*Three lectures a week and regular written exercises* Asst. Professor BRIDGMAN.

Omitted in 1917-18

Course 9 is open to those students only who have taken Mathematics 5 or an equivalent.

[10. Recent Developments of Electrical Theory, especially Electron Theory and Relativity]*Three lectures a week and regular written exercises.* Asst Professor BRIDGMAN.

Omitted in 1917-18

Course 10 is intended for students who have taken Course 9

Courses 9 and 10 are usually given in alternate years

COURSES OF RESEARCH

To competent students who have acquired the requisite knowledge and practice, opportunities are offered of pursuing, under the guidance of the instructors, investigations of special topics, as follows —

20a. Heat and Electricity

Professor HALL.

20b. Light and Sound

Professor SABINE

[20c. Radiation and Electromagnetic Waves]

Professor G. W. PIERCE.

Omitted in 1917-18

20d. Radioactivity

Professor DUANE.

[20e. Light of Short Wave-Lengths]

Professor LYMAN

Omitted in 1917-18

[20f. Heat]

Asst. Professor H. N. DAVIS.

Omitted in 1917-18.

[20g. Phenomena at High Pressures]

Asst. Professor BRIDGMAN.

Omitted in 1917-18

20h. Electric Oscillations

Asst Professor CHAFFEE

CONFERENCE COURSE

[Selected Topics in Physics and Correlated Subjects]*One evening a week.* Conducted by Members of the Department.

Omitted in 1917-18

This course cannot be counted for a degree

THE PHYSICAL COLLOQUIUM

Meetings are held each week by the instructors and advanced students in the Department of Physics for the discussion of researches in progress in the Jefferson and Cruft Laboratories and for the review of the contents of current journals in Physics

ENGINEERING SCIENCES

Primarily for Undergraduates

3. Mechanical Drawing

Use of instruments Projections and descriptive geometry. Freehand sketching Tracing and blue printing — Lectures and draughting. *Tu., Th., 1.30-4.30.* Associate Professor KENNEDY, and Messrs NINDE and THOROGOOD. (XIV)

Students who take this course may not use the admission examination in Mechanical Drawing to remove an admission condition in elective work

Freshmen who wish to take this course must consult the instructor in charge

This course cannot be taken by a student who takes or has taken Mathematics G

3b. Descriptive Geometry, Stereotomy, Shades and Shadows

Lectures and drawing. *Tu., Th., 2-4.30* Mr FROST (XV)

Course 3b is the same as Architecture 2b and 2c, announced by the School of Architecture.

[4a hf. Surveying]

Use of instruments; plane and topographic surveying; levelling; map drawing and field practice *Half-course Five weeks, beginning on the Saturday following Commencement Day.* Professor HUGHES and assistants

Omitted in 1917-18

(See note under Course 4d)

Course 4a is open to students who have preparation in Plane Trigonometry, including logarithms, equivalent to the entrance requirements.

It may be counted as a half-course towards the degree of A B or S B. in Harvard College.

[4d. Railroad Surveying]

Railroad curves and location; field and office practice *Six weeks, following Course 4a* Professor HUGHES and assistants.

Omitted in 1917-18

Course 4d is open to students who have passed satisfactorily in Course 4a

It may be counted as one course towards the degree of A B or S B in Harvard College.

Note on Courses 4a and 4d — Course 4a and the first three weeks of 4d, if both are taken in the same summer, may be counted as one course towards the degree of A B or S B. Courses 4a and 4d are given at the Camp at Squam Lake, N H

5a ¹/₂hf. Mechanics

Dynamics of a particle, and of a rigid body in two dimensions, Elementary Statics. *Half-course (first half-year)* Tu., Th, Sat, 9-11. Associate Professor HUNTINGTON, and Messrs. NINDE and THOROGOOD (x)

Course 5a is open to students who have completed satisfactorily a course in the Calculus.

It cannot be counted for a degree by a student who takes or has taken Mathematics 4.

This course should ordinarily be followed by one or both of the courses 7a and 7b

6a ¹/₂hf. Mechanical Drawing (second course)

Continuation of Course 3, Applications of Descriptive Geometry, Machine drawing — Lectures and draughting. *Half-course (first half-year).* Mon, Fri, 2-5. Associate Professor KENNEDY, and Messrs. NINDE and THOROGOOD. (VI)

Course 6a is open to students who have passed satisfactorily in Course 3.

6b ²/₂hf. Mechanism

Kinematics as applied to machine elements — Lectures and draughting *Half-course (second half-year).* Mon, Fri, 2-5 Associate Professor KENNEDY, and Messrs. NINDE and THOROGOOD. (VI)

Course 6b is open to students who have passed satisfactorily in Course 3.

7a ²/₂hf. Mechanics

Dynamics of Moving Bodies; Friction, Efficiency of Machines *Half-course (second half-year).* Tu., Th, Sat, 9-11. Associate Professor HUNTINGTON, and Messrs. NINDE and THOROGOOD. (x)

Course 7a is open to students who have passed satisfactorily in Course 3 (or in the first half of that course), and in Course 5a or Mathematics 4

7b ²/₂hf. Mechanics

Analytical and Graphical Statics, Strength of Materials. *Half-course (second half-year)* Mon, Wed, Fri, at 11, and Wed, 2-5 Associate Professor HUNTINGTON, and Messrs. NINDE and THOROGOOD (IV)

Course 7b is open to students who have passed satisfactorily in Course 3 (or in the first half of that course), and in Course 5a or Mathematics 4

8. Power—Its Generation and Transmission

Steam Engines, Internal-Combustion Motors and other Prime Movers; Electric Generators, Motors, and Transmission Systems *Mon, Wed, Fri, at 12, and one afternoon.* Professors MARKS and CLIFFORD, assisted by Messrs. NINDE and THOROGOOD and Mr. DAWES. (v)

Course 8 is open to students who have taken Physics C or I, or an equivalent, and are able to read mechanical drawings.

[10¹/₂h. Principles of Metallurgy]

Constitution and physical properties of metals and alloys; the chemical and physical principles involved in the extraction of metals Lectures and laboratory work. *Half-course (second half-year).* *Mon, Wed, Fri, at 11, and laboratory one afternoon every other week.* Professor SAUVEUR, and an assistant. (iv)

Omitted in 1917-18.

Course 10 is open to students who have passed satisfactorily in Chemistry A, B, or I.

ASTRONOMY

Primarily for Undergraduates

1. Descriptive Astronomy

Lectures: *Mon, Wed, at 11;* laboratory work and observations (*two hours each week*). Dr STETSON and Mr. C E. KELLEY. (iv)

Sections for laboratory work and observations, *Mon, Tu, Wed, Th afternoons, and Fri mornings.*

Open to Freshmen who have passed with credit mathematical subjects for admission.

2a ¹/₂h. Nautical Astronomy

Application of Astronomy to navigation and exploration. Time, latitude, and longitude by sextant, azimuth *Half-course (first half-year).* *Tu, Th, Sat., at 11.* Dr STETSON. (xi)

Course 2a is to be repeated in the second half-year at the same hours.

Much practice will be given in handling the sextant as used for observation at sea and on land. Periods of observation at times to be agreed upon with the instructor will be substituted for about one-third of the appointed hours.

Course 2a requires a knowledge of Descriptive Astronomy and Trigonometry.

For Undergraduates and Graduates

2b ¹/₂h. Practical Astronomy

Determination of time with the portable transit. Longitude by moon culminations. *Half-course (second half-year).* *Mon, Wed, Fri, at 12.* Dr. STETSON. (v)

Two hours each week of evening observation will be substituted for one of the class-room exercises, at the pleasure of the instructor.

Course 2b requires a knowledge of Descriptive Astronomy and Trigonometry

[3a ¹/₂f. Practical Astronomy]

Determination of latitude with the zenith telescope. Star catalogues, reduction from mean to apparent place *Half-course (first half-year)* *Tu., Th., Sat., at 12.* Professor WILLSON (XIII)

Omitted in 1917-18

Two hours each week of evening observation will be substituted for one of the stated exercises, at the pleasure of the instructor

Course 3a requires a knowledge of Descriptive Astronomy, Trigonometry and Calculus

[4. Theoretical Astronomy]

Introduction to Celestial Mechanics, Determination of Orbits *Mon., Wed., Fri., at 10* (III)

Omitted in 1917-18

Course 4 requires a knowledge of the Differential and Integral Calculus, and is open to students who have taken Mathematics 2

7. Elementary Astrophysics

Astronomical Spectroscopy, Solar and Sidereal Physics *Mon., Wed., at 2 30, with additional hours for laboratory work* Dr STETSON (VII)

Course 7 is largely descriptive and treats in detail many of the subjects that are discussed less extensively in Course 1, particularly methods and results that have developed in recent years. It requires a knowledge of Descriptive Astronomy and of Elementary Physics

Primarily for Graduates**[5. Practical Astronomy]**

Special subjects chosen in consultation with the instructor. *Tu., Th., Sat., at 11.* Professor WILLSON. (XII)

Omitted in 1917-18

Course 5 requires much instrumental work. It is intended for students making a specialty of Astronomy. With the consent of the instructor it may be counted for more than one course, and may be taken in successive years.

Opportunities for working at the Harvard College Observatory may sometimes be obtained by advanced students specially devoting themselves to the study of Astronomy, though the constant employment of the principal instruments greatly limits the use that may be made of them for this purpose. Such students may apply for permission to work at the Observatory to the Director, Professor E. C. PICKERING, with whom the fees for the privileges offered may be agreed upon. In some cases a part or the whole of the fees may be remitted in consideration of services rendered in computation.

Facilities for work are also granted, under suitable conditions, by the Director of the Observatory to astronomers and to other persons who are competent to undertake independent researches.

CHEMISTRY

Primarily for Undergraduates

A. Elementary Chemistry

Lectures, *Mon, Wed, Fri., at 11*; laboratory work, *Tu, or Wed, or Th, or Fri, 1 30-4 30, or Tu, 10-1* Professor KOHLER, Mr L I SMITH, and Mr. ENGELBRECHT, assisted by Messrs BILLINGS, BOYER, CRUSE, PRICE, and J. F. SMITH. (IV)

Course A is intended for students who have never studied Chemistry before. It may, however, be taken by those who have passed in Chemistry for admission, or who have presented Chemistry as part of their school record under the New Plan of admission, but may be counted only as a half-course by such students. See also note under Course B.

B $\frac{1}{2}$ f. Inorganic Chemistry

Half-course (first half-year). Lectures, *Tu, Th, Sat, at 11*, laboratory work, *Tu, or Wed, or Th, or Fri, 1 30-4 30* Dr G A HILL, assisted by Messrs BILLINGS, BOYER, CRUSE, and PRICE. (XII)

Course B is open to those who have passed the entrance examination in Chemistry or who have presented Chemistry as an admission subject under the New Plan of admission.

Course A or B is required as preparation for Course 3

Courses A and B cannot both be counted for the Bachelor's degree

2 $\frac{1}{2}$ f. Organic Chemistry (elementary course)

Half-course (first half-year). Lectures, *Mon., Wed., Fri., at 9.* Dr. G. A. HILL. (II)

Course 2 is open to students who have passed Course A, or B, or 1, or an equivalent, or who either have passed the entrance examination in Chemistry with a grade of B or A, or offer a satisfactory course in Chemistry as an admission subject under the New Plan of admission and are taking Course B

***22 $\frac{1}{2}$ f. Experimental Organic Chemistry (elementary course)**

Chiefly laboratory work *Half-course (first half-year).* Conferences, *Tu., or Th, at 1 30.* Dr G A HILL, assisted by Messrs. MACDONALD, GILMAN, and CHRISTIANSEN. (XIV)

If the number of enrolments is more than fifty, Course 22 will probably be repeated during the second half-year The total number of students who can be accommodated in both half-years is one hundred

Course 22 is open to students who have passed Course 2 or an equivalent or are taking Course 2 It is not open to those who are taking or have taken Course 5.

3. Qualitative Analysis

Chiefly laboratory work. *Mon, Wed., Fri., at 11.* Asst. Professor G. S. FORBES, assisted by Messrs SCHUMB, ARONSON, BUMP, and WEATHERILL (IV)
Course 3 is open to those students only who have passed Course A, or B, or 1, or an equivalent.

Students intending to enter the Medical School may in the year 1917-18 take Course 3 with half the amount of laboratory work as a half-course. Taken in this way it will not be accepted as preparation for advanced courses in Chemistry.

8 ¹/₂f. Elementary Theoretical and Physical Chemistry, including the Historical Development of Chemical Theory

Lectures and reading *Half-course (second half-year)* *Tu, Th, Sat, at 11*
Professor RICHARDS and Asst Professor G S FORBES, and an assistant (XII)
Course 8 is open to students who have passed Course A, or B, or 1, or an equivalent.

***23 ¹/₂f. Fire Assaying**

Chiefly laboratory work *Half-course (first half-year).* *Tu, Th, Sat., at 11,* and laboratory work, two afternoons a week (*Mon, Tu, Wed., or Th*). Asst Professor RAYMER (XII)
Course 23 must be preceded by, or taken in the same year with, Mineralogy 2.

For Undergraduates and Graduates**4. Quantitative Analysis, gravimetric and volumetric**

Chiefly laboratory work. *Mon, Wed, Fri, at 2 30.* Professor BAXTER, assisted by Mr. C. H. WILSON. (VII)

Course 4 may be taken with Course 3, but otherwise is open only to students practised in Qualitative Analysis. It may be taken with half the amount of laboratory work, as a half-course, during the year 1917-18. Taken in this way it will not be accepted as preparation for advanced courses in chemistry.

9 ¹/₂f. Advanced Quantitative Analysis

Lectures and laboratory work *Half-course (first half-year)* *Mon, Wed., Fri, at 3 30* Professor BAXTER, assisted by Mr C H. WILSON (VIII)

10 ¹/₂f. Gas Analysis

Chiefly laboratory work. *Half-course (second half-year).* *Mon, Wed, Fri, at 3 30* Professor BAXTER (VIII)
Courses 9 and 10 are open only to those students who have passed Course 4 or its equivalent.

5. The Carbon Compounds

Lectures, twice a week, and laboratory work *Tu, and Th, or Sat, at 9*
Professor KOHLER, assisted by Messrs. ENGELBRECHT and GILMAN (X)

Course 5 is open to those students only who have passed Course A, or B, or 1, and 2, or equivalent courses in the same subjects, but although students who have passed these courses are admitted, it is advisable to have a fuller knowledge of Chemistry (3 and 8) before entering Course 5.

In 1917-18 Course 5 may be taken without laboratory work, as a half-course, by students who have passed Course 22 or its equivalent.

For students who take Course 5 as a full course and who have passed Course 22, the laboratory work in Course 5 will be more advanced in nature.

15 ¹/₂f. General Biological Chemistry

Lectures. *Half-course (second half-year).* *Tu, Th, Sat, at 11* Asst. Professor HENDERSON, assisted by Mr COHN (XII)

Course 15 is open to students who have passed Courses A, or B, or 1, and 2, or their equivalents.

25 ¹/₂f. Experimental Biological Chemistry

Chiefly laboratory work. *Half-course (second half-year). Hours to be arranged* Asst. Professor HENDERSON, assisted by Mr. COHN

Course 25 is open to students who have passed Course 15 or its equivalent, or are taking Course 16.

11. Industrial Chemistry

Lectures *Mon, Wed., Fri., at 10, at the Massachusetts Institute of Technology.* (III)

This course will meet with Course 575 of the Massachusetts Institute of Technology Course 11 is open to students who have passed in Courses 2, 3, and 8, or their equivalents, and who have a good reading knowledge of German. Course 4 also is desirable preparation

[*19 ¹/₂f. Technical Analysis]

Chiefly laboratory work. *Half-course (second half-year). Tu, Wed., Th., 1.30-4.30.* Professor — and Mr M. C. WHIPPLE

Omitted in 1917-18.

Course 19 is open to students who have passed Courses 4 and 8, and 11, or their equivalents, but Course 19 may be taken in the same year with Course 11

Primarily for Graduates**†6. Physical Chemistry**

Lectures and laboratory work. *Mon, Wed., Fri., at 12.* Professor RICHARDS and Asst. Professor G S FORBES (V)

Course 6 is open to those students only who have passed Courses 4 and 8, Physics 1 or Physics C, and either Mathematics A, or Mathematics K and C, or their equivalents. A knowledge of the Calculus (Mathematics 2) and a reading knowledge of German are desirable. Course 6 may be taken without laboratory work, as a half-course, in this case Course 4 is not required in preparation

[12 ¹/₂f. Photochemistry, including the use of Optical Instruments in Chemistry]

Lectures and laboratory work. *Half-course (first half-year). Tu, Th., at 12, and a third hour at the pleasure of the instructor* Asst. Professor G. S. FORBES. (XIII)

Omitted in 1917-18.

Course 12 is open to those students only who have passed Course 6 or its equivalent or are taking Course 6. Ability to read German is required.

7 ¹/₂f. Electrochemistry

Lectures and reading. *Half-course (second half-year). Tu., Th., Sat., at 12.* Asst. Professor G. S. FORBES. (XIII)

Course 7 is open to those students only who have passed Course 6 or its equivalent or are taking Course 6.

[13 ¹/₂f. Experimental Electrochemistry]

Chiefly laboratory work. *Half-course (second half-year). Mon, Wed., Fri., at 3.30.* Asst. Professor G. S. FORBES. (VIII)

Omitted in 1917-18

Course 13 is open to those students only who have passed Course 7 or its equivalent or are taking Course 7.

[14a ²/_{hf} Chemical Thermodynamics]

Lectures, reading, and reports *Half-course (second half-year)* Tu, Th.,
at 7.45 Asst. Professor JONES (ix)

Omitted in 1917-18

[14b ^{hf} Chemical Equilibrium. Advanced Mathematical Discussion]

Lectures, reading, and reports *Half-course*

Omitted in 1917-18

[14c ^{hf} Colloid Chemistry]

Lectures, reading, and reports

Omitted in 1917-18

It is expected that Courses 14a, 14b, and 14c will each be offered every third year.

[16 ³/_{hf} The General Reactions of Organic Chemistry]

Lectures and reading. *Half-course (first half-year)*. Hours to be arranged.

Omitted in 1917-18

Course 16 is open to those students only who have passed Course 5 or its equivalent Ability to read German is required This course is intended especially for students in organic research

17 ²/_{hf} Structural Organic Chemistry (advanced course)

Lectures and required reading. *Half-course (second half-year)*. Mon, Wed, Fri, at 9 Dr. G. A. HILL (ii)

Course 17 is open to those students who have passed Course 5 or an equivalent or are taking Course 5 Ability to read German is required

[21 ^{hf} Advanced Biological Chemistry]

Selected topics Lectures and required reading. *Half-course*. Asst Professor HENDERSON.

Omitted in 1917-18.

Course 21 is open to those students who have passed Courses 5 and 15

COURSES OF RESEARCH

A student intending to elect one of the following research courses should consult the instructor as long in advance as possible

20a. Inorganic Chemistry, including Determination of Atomic Weights

Professor RICHARDS.

20b. Organic Chemistry

Professor MICHAEL.

20c. Organic Chemistry

Professor KOHLER.

20d. Physical Chemistry, including Electrochemistry

Professor RICHARDS.

[20e. Physical Chemistry, including Electrochemistry]

Asst. Professor LAMB.

Omitted in 1917-18.

20f. Inorganic Chemistry, including Determination of Atomic Weights
Professor BAXTER.

20g. Physical Chemistry

Stoichiometry (determination of physico-chemical constants). Professor BAXTER.

20h. Physical Chemistry, including Electrochemistry

Asst Professor G. S. FORBES.

[**20i. Physical Chemistry**]

Asst. Professor JONES

Omitted in 1917-18

20k. Biological Chemistry

Asst. Professor HENDERSON.

[**20l. Organic Chemistry**]

Omitted in 1917-18

Attention is called to History of Science 1, and to the courses in Mathematics, Physics, Engineering, Botany and Zoölogy, Mineralogy, and Mining and Metallurgy, many of which deal with topics allied to Chemistry

THE CHEMICAL COLLOQUIUM

Meetings are held frequently by the instructors and advanced students in the Division of Chemistry for the discussion of researches in progress in the Chemical Laboratories and of the contents of current journals of Chemistry

BOTANY

Primarily for Undergraduates

1⁴hf. Botany

Half-course (second half-year). Lectures, *Tu, Th, and (at the pleasure of the instructor) Sat., at 10,* and laboratory practice (*four hours a week*).

Professor OSTERHOUT, Mr. —, and other assistants

(XI)

Course 1 is required as an introduction to Courses 3, 4, 6, 7, 8, 9, and 11. It is intended for beginners and for those who wish to get a comprehensive view of the subject. It is open to Freshmen, and may be taken with advantage in the same year with Zoölogy 1. Students who take this course may not use the admission examination in Botany to remove an admission condition in elective work.

2¹hf. Introduction to Cryptogamic Botany

Half-course (first half-year). Lectures, *Mon, Wed., Fri., at 9,* and laboratory work. Professor THAXTER, assisted by Mr. MEIER

(II)

For Undergraduates and Graduates

3¹hf. Morphology in Relation to Evolution, Plant Production, Reproduction and Genetics

Laboratory practice, with lectures and demonstrations. *Half-course (first half-year).* *Tu, Th, at 9.* Professor JEFFREY, assisted by Mr. POOLE

(X)

Course 3 is open to those students only who have taken Course 1 or 2 or an equivalent.

[*4¹/₂hf. The Algae, Liverworts, and Mosses]

Lectures and laboratory work. *Half-course (second half-year).* Mon., Fri., and (at the pleasure of the instructor) Wed., at 2 30, or at an hour to be arranged. Professor THAXTER, assisted by Mr. MEIER (VII)

Omitted in 1917-18

Courses 4 and 6 are given in alternate years, and are open to those students only who take or have taken Courses 1 and 2 or their equivalent

5a²/₃hf. Special Morphology of the Lower Vascular Plants

The Lycopods, Equisetales, Ferns, Fossil and Lower Gymnosperms. Laboratory practice, with lectures and demonstrations. *Half-course (second half-year)* Tu, Th, at 9. Professor JEFFREY, assisted by Mr. POOLE (X)

Course 5a is open to those students only who have taken Course 3 or an equivalent

[5b²/₃hf. Special Morphology of the Higher Vascular Plants]

The Conifers, Gnetales and Angiosperms. Laboratory practice, with lectures and demonstrations. *Half-course (second half-year).* Tu, Th, at 9. Professor JEFFREY. (X)

Omitted in 1917-18

Course 5b is open to those students only who have taken Course 3 or an equivalent.

[*6²/₃hf. The Bacteria, Mycetoza, and Higher Fungi]

Lectures and laboratory work. *Half-course (second half-year)* Mon, Fri., and (at the pleasure of the instructor) Wed., at 2 30, or at an hour to be arranged. Professor THAXTER (VII)

Omitted in 1917-18

Courses 6 and 4 are given in alternate years and are open to those students only who take or have taken Courses 1 and 2 or their equivalent

7. Classification and Distribution of Flowering Plants

With special reference to the Flora of New England and the Maritime Provinces. Lectures, Mon, Wed, Fri., at 10, and six hours of laboratory work. Professor FERNALD (III)

Course 7 is open to those students only who have taken Course 1 or an equivalent. It can be divided into two half-courses only in exceptional cases and by arrangement with the instructor.

8¹/₂hf. Plant Physiology

Nutrition. Lectures and laboratory work. *Half-course (first half-year).* Mon, Wed, at 1 30. Professor OSTERHOUT (VI)

Courses 8 and 9 were formerly Course 13. They are given in alternate years and are open to those students only who have taken Courses 1 and either 2 or 3, or an equivalent

[9¹/₂hf. Plant Physiology]

Respiration, Growth, Reproduction, and Irritability. Lectures and laboratory work. *Half-course (first half-year)* Mon, Wed, at 1 30. Professor OSTERHOUT. (VI)

Omitted in 1917-18

Courses 9 and 8 are given in alternate years and are open to those students only who have taken Courses 1 and either 2 or 3, or an equivalent

[*10. Classification and Distribution of Flowering Plants. Advanced Studies upon Special Topics]

Conferences, laboratory work and reading, with reports and theses *Days and hours to be arranged.* Professor FERNALD

Omitted in 1917-18

Course 10 is open to those students only who have done satisfactory work in Course 7 or its equivalent

[11 ²/_{hf}. The Principles of Genetics]

Lectures and laboratory work *Half-course (second half-year) Mon., Wed, and (at the pleasure of the instructor) Fri, at 11* Professor EAST. (iv)

Omitted in 1917-18

Course 11 is open to those students only who have taken Botany 1 and Zoölogy 1 or their equivalents, and who have had some elementary mathematics and chemistry

Primarily for Graduates

[*12 ²/_{hf} Variation and Heredity. Advanced Studies upon Special Topics]

Lectures and laboratory work, or thesis At the Bussey Institution, Jamaica Plain. *Half-course (second half-year). Days and hours to be arranged.* Professor EAST.

Omitted in 1917-18

This course is open to students who have taken Course 11 or an equivalent.

***14 ²/_{hf} Photomicrography and the Technique of the Microscope**

Half-course (second half-year) Lectures, Mon, Wed, at 12, and four hours of laboratory practice Professor JEFFREY. (v)

This course may be taken only with the consent of the instructor Course 8 or its equivalent is a prerequisite and it should ordinarily be taken subsequently to or in conjunction with Course 5a or 5b This course taken in two successive years may count as a full course

COURSES OF RESEARCH

20a. Static and Experimental Morphology

Professor JEFFREY.

20b. Structure and Development of Cryptogams

Professors FARLOW and THAXTER.

20c. Taxonomy of Phanerogams

Professor B. L. ROBINSON.

20d. Geographic Botany

Professor FERNALD

20e. Plant Physiology

Professor OSTERHOUT.

20f. Principles of Variation and Heredity and their Application to Plant Breeding

Professor EAST.

Attention is called to the courses in Hygiene and Sanitation, page 81.

ZOOLOGY

Under the head of Zoology are included the courses in General Zoology, Applied Zoology, and Palaeontology

Ability to read German and French will be of advantage in any of the courses in Zoology, and will be assumed in courses not primarily for undergraduates.

GENERAL ZOOLOGY

Primarily for Undergraduates

1¹/₂hf. Zoology

Lectures and laboratory exercises *Half-course (first half-year). Tu, Th., and (at the pleasure of the instructor) Sat, at 10.* Professor PARKER, Dr BAUMBERGER and other assistants (XI)

Every student is required to take four hours of laboratory work a week in one of the following sections I, Tu, Th, 8-10, II, Tu, Th., 11-1, III, Tu, Th, 1 30-3 30; IV, Wed., Fri., 9-11, V, Wed, Fri, 11-1, VI, Wed., Fri, 1.50-3 30

Course 1 is intended for beginners and for those who wish to get a comprehensive view of the subject. It is open to Freshmen, and may be taken to advantage in the same year with Botany 1 It is required as an introduction to Course 3.

Students who take this course may not use the admission examination in Zoology to remove an admission condition in elective work.

3¹/₂hf. Comparative Anatomy of Vertebrates

Lectures and laboratory work *Half-course (second half-year). Tu., Th., Sat, at 9* Asst Professor H W RAND and assistants (X)

Every student is required to take six hours of laboratory work a week on Tu, Th, and Sat Course 3 is open to students who have taken Course 1

Students desiring to continue their study of vertebrates beyond the opportunities offered in this course should consult the instructor

For Undergraduates and Graduates

4¹/₂hf. General Histology

Lectures and laboratory work. *Half-course (first half-year). Mon, Wed., Fri., at 10* Asst Professor H W RAND, assisted by Mr DAWSON. (III)

Every student is required to take six hours of laboratory work a week — preferably morning hours — on Mon, Wed, and Fri

Course 4 is open to students who have taken Course 3

[*5a²/₅hf. Embryology of Vertebrates]

Early stages of development.—Lectures and laboratory work. *Half-course (second half-year). Mon, Wed., Fri, at 10* Professor MARK and Mr. —. (III)

Omitted in 1917-18

Every student is required to take six hours of laboratory work a week — preferably morning hours — on Mon, Wed, and Fri.

Course 5a is open to students who have taken Course 4.

***5b ¹/₂f. Embryology of Vertebrates**

Organogeny.—Lectures and laboratory work. *Half-course (second half-year). Mon, Wed, Fri., at 10.* Professor MARK and Mr ——. (III)

Every student is required to take six hours of laboratory work a week — preferably morning hours — on *Mon, Wed, and Fri*

Course 5b is open to students who have taken Course 4. Courses 5a and 5b are given in alternate years.

8 ¹/₂f. Genetics and Eugenics

The reproduction of animals, the origin of new races, the influence of heredity and environment; applications to animal breeding and human society. — Lectures, reading, and conferences; or lectures and laboratory work. *Half-course (first half-year) Mon, Wed, Fri, at 9.* Professor CASTLE (II)

This course, when taken without laboratory work, is open to students who have taken Zoology 1 or Botany 1, when taken as a laboratory course the previous consent of the instructor must be obtained. The laboratory work will consist of breeding experiments with rapidly reproducing animals and will occupy from four to six hours a week. Only a limited number of students can be provided with laboratory work and preference will be given to students specializing in biology.

***12 ¹/₂f. Cytology, with special reference to Heredity**

Lectures and laboratory work *Half-course (first half-year). Tu, Th., Sat., at 10.* Professor MARK and Mr. BRAY. (XI)

Course 12 is open to students who have taken Course 4 or its equivalent

Primarily for Graduates***10 ¹/₂f. Genetics (advanced course)**

Seminar for the critical study of the original publications on which the foundations of genetics rest and for review and discussion of current literature on genetics. A laboratory study of some breeding problem, or a thesis, will be expected from each student. *Half-course (first half-year). Hours to be arranged* Professor CASTLE.

This course is open to those who have passed in Course 8 with laboratory work or have taken Botany 11, or who have had equivalent training

†*14a ¹/₂f. The Structure and Functions of Sense Organs

Lectures and either laboratory work or theses *Half-course (first half-year). Mon, Wed, Fri., at 3 30.* Professor PARKER (VIII)

Course 14a as a laboratory course is open to those students who have taken Course 4 or its equivalent, and as a thesis course it is open to those students who have taken Course 3 or its equivalent. Courses 14a and 14b are given in alternate years.

[*14b ¹/₂f. The Structure and Functions of Central Nervous Organs]

Lectures and either laboratory work or theses. *Half-course (first half-year). Mon, Wed, Fri., at 3 30.* Professor PARKER (VIII)

Omitted in 1917-18

Course 14b as a laboratory course is open to those students who have taken Course 4 or its equivalent, and as a thesis course it is open to those students who have taken Course 3 or its equivalent. Courses 14b and 14a are given in alternate years.

†*17 ¹/₂f. Experimental Morphology

The form-determining factors in development and growth Lectures and either laboratory work or theses. *Half-course (first half-year). Mon., Wed., Fri., at 12* Asst. Professor H. W. RAND. (v)

Course 17 is open to students who have had Course 3, Courses 4 and either 5a or 5b are advised in addition.

Courses of Research

Students having the requisite knowledge and experience are offered the opportunity of pursuing investigations under the guidance of the instructors in the Department as follows:—

20a. Embryology

Professor MARK.

20b. Cytology, with special reference to Heredity

Professor MARK.

20c. The Structural and Functional Basis of Animal Reactions

Professor PARKER

20e. Comparative Anatomy of Vertebrates

Asst. Professor H. W. RAND

20g. Experimental Morphology

Asst. Professor H. W. RAND.

APPLIED ZOOLOGY

Primarily for Graduates

*7a ²/₂f Morphology and Classification of Insects

Lectures, laboratory work, and demonstrations. *Half-course (second half-year). Days and hours to be arranged with the instructor* Lectures and laboratory work at the Bussey Institution Professor WHEELER and Asst Professor BRUES

Course 7a is open to students who have taken Course 1 and Botany 1

*7b ²/₂f. Habits and Distribution of Insects

Lectures, laboratory and field work *Half-course (second half-year) Days and hours to be arranged with the instructor.* Lectures and laboratory work at the Bussey Institution Professor WHEELER and Asst Professor BRUES

Course 7b is open to students who have had Course 7a or an equivalent Courses 7a, 7b, and 7c are designed to afford the necessary preparation in entomology for students who are looking forward to any of the following pursuits. Forestry, Horticulture, Agriculture, or Medicine Courses 7a and 7b are essential to advanced work in the morphology, physiology, taxonomy, and ethology of insects.

7c ³/₄f. Practical Entomology

Lectures and laboratory work. *Half-course (second half-year) Days and hours to be arranged with the instructor.* Lectures and laboratory work at the Bussey Institution Asst. Professor BRUES

Course 7c is open to students who have taken Zoology 1 and Botany 1, Botany 2 is also advised

Courses of Research

The academic year for work in the following courses, which are given at the Bussey Institution, extends from February 1 to October 1, but students whose work is sufficiently advanced may continue their investigations without interruption throughout the calendar year

20d. Variation, Heredity, and the Principles of Animal Breeding

Professor CASTLE

20f. Economic Entomology

Professor WHEELER and Asst. Professor BRUES

20h. Forest Entomology

Professor WHEELER and Asst. Professor BRUES.

PALAEONTOLOGY**For Undergraduates and Graduates****1 ²/₄f. Palaeontology (introductory course)**

Lectures and laboratory work *Half-course (second half-year) Tu., Th., and (until April 1) Sat., at 10, and four additional hours for laboratory work.*

Associate Professor RAYMOND.

(XI)

Course 1 is open to those who have passed Geology 4 or its equivalent.

2 ²/₄f. Stratigraphic Palaeontology

Lectures and laboratory work. *Half-course (second half-year). Mon., at 1.30, and additional hours for laboratory work* Associate Professor RAYMOND. (VI)

Course 2 is open to those who have passed Palaeontology 1 or its equivalent.

3 ²/₄f. Systematic Invertebrate Palaeontology

Lectures and laboratory work. *Half-course (second half-year). Wed., Fri., at 12, and additional hours for laboratory work.* Associate Professor RAYMOND. (V)

Course 3 is open to those who have passed Palaeontology 1 or its equivalent.

Primarily for Graduates**20. Palaeontological Research**

Associate Professor RAYMOND.

Course 20 is open to those who satisfy the instructor of their fitness

HYGIENE AND SANITATION

Primarily for Undergraduates

[1 ²/₂f Hygiene]

Lectures, required reading, written reports, and conferences. *Half-course*
(*second half-year*) *Mon, Wed, Fri., at 9.* Professor LEE (II)

Omitted in 1917-18

Course 1 is not open to Freshmen

For Undergraduates and Graduates

*2 ¹/₂f Elementary Bacteriology

Half-course (first half-year). Lectures (*Mon, Wed., Fri., at 9*); laboratory work (*six hours a week*), *Tu, Wed, 2-5* Mr. M. C. WHIPPLE. (II)

This course for men who have never taken bacteriology should serve as an introduction to the further study of this science in its application to the biological sciences, chemistry, the industries, personal hygiene, and the public health.

RESEARCH COURSES

Opportunities are afforded to competent students for the investigation of special topics in the following subjects:

- 20a. Sanitation. Professor G. C. WHIPPLE.
- 20b. Bacteriology. Mr. M. C. WHIPPLE.

GEOLOGY AND GEOGRAPHY

Under the head of Geology and Geography are included the courses in General Geology, Economic Geology, Palaeontology, Meteorology and Climatology.

GENERAL GEOLOGY

Primarily for Undergraduates

Geology 4 ¹/₂f. Introduction to Geology

Lectures and laboratory work. *Half-course (first half-year).* *Mon., Wed., Fri., at 12.* Laboratory work (*two hours, Tu. or Wed.*), field work (*Th. or Fri., one half-day*) in *October and November*; laboratory work (*two hours twice a week, Tu or Wed., and Th or Fri.*) in *December and January* in sections as follows A, *Tu, Th, 1 45-3.30*; or B, *Wed, Fri, 1 45-3 30*; or C, *Tu, Th, 10-12* Professor DALY, assisted by Messrs HINDS and WHITE-HEAD (V)

Course 4 or an equivalent is required for admission to Geology 5, 8, 9, 10, 12, 14, 16, 17 and 18, and Geography 2 and 7. It is recommended to those who desire an elementary knowledge of geological processes and their results.

Geology 5 ¹/₂f. Historical Geology

Lectures, laboratory and field work. *Half-course (second half-year). Mon., Wed., and usually Fri., at 12, with additional hours for laboratory and field work* Associate Professors WOODWORTH and RAYMOND (V)

Course 4 or an equivalent is required for admission to Course 5

Course 5 or an equivalent (Geology S5) is required for admission to Geology 8, 16, 12, and 14, and Mineralogy 12, and is recommended to those taking other courses in which some knowledge of the geological history of the existing lands is a desirable preparation.

Students who take this course must keep Thursday or Friday afternoon free for field or laboratory work

For Undergraduates and Graduates**Geology 16 ¹/₂f. Geology of North America**

Lectures, library and field work, with reports. *Half-course (first half-year). Wed., Fri., and (at the pleasure of the instructor) Mon., at 9* Associate Professor WOODWORTH. (II)

Course 16 is open to those who have passed in Course 5 or Course S5, and to those of equivalent training, and is required for admission to Course 8. Students taking this course must keep Thursday or Friday afternoon free for field work or for conference

[Geology 15 ²/₂f. Pleistocene and Permian Glaciation]

Lectures, conferences, field work, and reports. *Half-course (second half-year) Wed., Fri., and occasionally Mon., at 10, with additional hours for field or library work* Associate Professor WOODWORTH (III)

Omitted in 1917-18

Course 15 is open to those who have passed in Geology 5 or its equivalent. Meteorology 1 and Geography 1 are recommended as desirable preparatory courses. Students taking this course must have one half-day a week free for field work after the April recess. The course forms desirable preparation for the field work in Geology 12

Geology 8 ²/₂f. Principles of Geology, including History of Geological Science

Lectures, library and field work, with reports. *Half-course (second half-year). Wed., Fri., and (at the pleasure of the instructor) Mon., at 9.* Associate Professor WOODWORTH. (II)

Course 8 will be offered ordinarily in alternate years with Course 15

Course 8 requires Course 16. Geology 1, Mineralogy 2, Palaeontology 1, and Meteorology 1 are recommended as desirable preparation

Geology 14 ²/₂f. Stratigraphy

Lectures, reading, theses, and conferences. *Half-course (second half-year). Tu., Th., at 12, and one other hour* Associate Professor RAYMOND (XIII)

Course 14 is open to those who have passed Geology 5 and Palaeontology 1. Palaeontology 2, which is largely laboratory work, is designed to supplement this course.

Geology 12. Geological Surveying

Geological mapping, special problems, library work, lectures, conferences, and reports. *Appointments at the convenience of the instructor.* Associate Professor WOODWORTH.

Course 12 may be taken by students who have passed in Courses 5 and 15 and may be pursued for two successive years. During the autumn and spring one full day's work (preferably Saturday) in the field is required each week, and an equivalent amount of time in laboratory or library work during the winter

[Geology 19²hf. Seismology]

Lectures, station work, reading, field work, and reports *Half-course (second half-year) Mon (at the pleasure of the instructor), Wed, Fri, at 9, with additional hours* Associate Professor WOODWORTH (II)

Omitted in 1917-18

Course 19 is open to geological students who have taken Course 16 and to others who have special preparation in relevant subjects, such as meteorology, physics, engineering, or mathematics

[Geology 9²hf. Geology of the Igneous Rocks]

Lectures, library work, and reports *Half-course (second half-year). Appointments at the convenience of instructor and students.* Professor DALY.

Omitted in 1917-18

Course 9 is open to those students who have taken Mineralogy 12 or its equivalent.

Primarily for Graduates**Geology 20c. Research in Physical Geology**

Professor DALY.

Geology 20d. Petrological Research

Professor WOLFF.

Geology 20e. Research in Structural Geology

Associate Professor WOODWORTH.

Geology 20f. Seismology

Associate Professor WOODWORTH

Appointments at the pleasure of the instructor Attendance at the Geological Conference is required of students enrolled in these courses and in residence at the University.

Courses 20c, 20d, 20e, and 20f are open to advanced students who satisfy the instructors that they are qualified to undertake original investigations in the field or laboratory It is intended that the work should lead to results worthy of publication With the permission of the proper authorities, a student in one of these courses may work at the rate of more than one half-course in a half-year

ECONOMIC GEOLOGY**For Undergraduates and Graduates****Geology 10. Ore-deposits — Origin and Occurrence**

Lectures, laboratory work, and reports *Mon, Wed, Fri, at 12, and one laboratory period a week during the winter months* Professors GRATON and H. L. SMYTH, assisted by Mr D. A. HALL; with lectures on gold and silver by Professor WALDEMAR LINDGREN of the Massachusetts Institute of Technology (V)

Course 10 is the introductory course in Mining Geology It is to be preceded by Geology 4 and Mineralogy 2 or equivalents With the approval of the instructor, the course may be taken during the first half-year only, to count as a half-course.

Geology 18a¹/₂f. Non-metallic Mineral Deposits

Lectures and reports. *Half-course (first half-year). Three lectures per week, at hours to be arranged* Professors WOLFF and PALACHE
Geology 4 and Mineralogy 2 are required

Geology 18b²/₂f. Fuels, Fluxes, and Refractories

Lectures and reports *Half-course (second half-year). Three lectures per week, at hours to be arranged.* Professors GRATON and JEFFREY.
Geology 4 is required

Geology 17¹/₂f. Geology of Iron Ores

Lectures, reading, and reports. *Half-course (first half-year). Mon, Wed, and (at the pleasure of the instructor) Fri., at 11* Professor H. L. SMYTH (IV)
Course 17 is open to those students who have passed Geology 4 and Mineralogy 2.

Primarily for Graduates**Geology 11. Microscopical Investigation of Ores**

Laboratory work, conferences, and reports. *Appointments to be arranged.*
Professor GRATON
Course 11 is open to those who have passed Geology 10 and Mineralogy 12

Geology 20b. Research in Economic Geology

Appointments to be arranged Professors H L SMYTH and GRATON.

Course 20b is open to advanced students who are qualified to undertake original investigations in the field or the laboratory. With permission, a student may work in this course at the rate of more than one-half course in a half-year

PALAEONTOLOGY**For Undergraduates and Graduates****1¹/₂f. Palaeontology (introductory course)**

Lectures and laboratory work. *Half-course (second half-year). Tu., Th., and (until April 1) Sat., at 10; and four additional hours for laboratory work.* Associate Professor RAYMOND. (XI)

Course 1 is open to those who have passed Geology 4 or its equivalent

2²/₂f. Stratigraphic Palaeontology

Lectures and laboratory work. *Half-course (second half-year). Mon, at 1 30, and additional hours for laboratory work.* Associate Professor RAYMOND. (VI)

Course 2 is open to those who have passed Palaeontology 1 or its equivalent.

3³/₂f. Systematic Invertebrate Palaeontology

Lectures and laboratory work. *Half-course (second half-year) Wed, Fri, at 12, and additional hours for laboratory work.* Associate Professor RAYMOND.
Course 3 is open to those who have passed Palaeontology 1 or its equivalent (V)

Primarily for Graduates

20. Palaeontological Research

Associate Professor RAYMOND.

Course 20 is open to those who satisfy the instructor of their fitness.

GEOGRAPHY

Primarily for Undergraduates

Geography 1 ¹/₂f Physiography (introductory course)

Lectures, laboratory work, and field excursions. *Half-course (first half-year).* Mon., Wed., Fri., at 10. Laboratory work in sections as follows: I, Mon., 1 30-3 30; II, Tu, 9-11; III, Tu, 1 30-3 30; IV, Wed., 1.30-3.30; V, Th., 9-11; or VI, Th, 1 30-3 30. Four afternoon field trips or the equivalent in longer field excursions, during October and November, will be required. Professor ATWOOD, assisted by Mr HINDS. (III)

Course 1 is intended for beginners. It is open to Freshmen, and is required for admission to Courses 6, 7, and 20a. It is recommended to students taking courses in Geology or Meteorology.

Students who take this course may not use the admission examination in Geography to remove an admission condition in elective work

[Geography 2 ¹/₂f Glaciers and Glacial Deposits]

Lectures, laboratory and field work. *Half-course (first half-year).* Th, and (at the pleasure of the instructor) Sat, at 11, with field or laboratory work on Tu. and Th. afternoons or on Mon and Wed afternoons. Professor ATWOOD. (XII)

Omitted in 1917-18

Geography 1 and Geology 4 and 5 are required for admission to Course 2.

For Undergraduates and Graduates

Geography 6 ²/₂f. Geography of North America

Lectures and laboratory work. *Half-course (second half-year).* Mon, Wed., Fri., at 11. Laboratory work, Wed., or Th., 1 30-3.30. Professor ATWOOD and an assistant (IV)

Geography 1 is required for admission to Geography 6. Geology 5 and 16 and Meteorology 3 are recommended in preparation for Course 6, and Course 6 or 7 is required for admission to Course 20a

[*Geography 7 ¹/₂f. Geography of Europe]

Conferences and reports. Special problems assigned. *Half-course (first half-year).* Conference, Wed., at 4, and other appointments at the convenience of instructor and students. Professor ATWOOD

Omitted in 1917-18

Course 6 or an equivalent training and the ability to read French or German are required, and Courses 4 and 6, and Meteorology 5 are recommended, in preparation for Course 7. Course 6 or 7 is required for Course 20a

[Geography 15 ²/_{hf}. Natural Resources in the United States and their Conservation]

Lectures, conferences, and reports Special problems assigned *Half-course* (second half-year) Tu, Th, and (at the pleasure of the instructor) Sat., at 11. Professor ATWOOD (xii)

Omitted in 1917-18.

This course is not open to Freshmen or Sophomores

Primarily for Graduates

Geography 20a. Special Problems in Regional Geography (research in field or library)

Conferences, reports, and theses. Professor ATWOOD.

Course 20a is open to those students only who have passed satisfactorily in Courses 6 or 7, or who have had an equivalent training Courses 8 and 16, Meteorology 1 and 2, History 32a and 32b, Economics 2b, and Anthropology 1 and 12 are recommended as further preparation

METEOROLOGY AND CLIMATOLOGY

Primarily for Undergraduates

Meteorology 1 ²/_{hf} Elementary Meteorology. — The Weather and Weather Forecasting

Lectures and laboratory work *Half-course* (second half-year). Mon., Wed, Fri., at 10, laboratory work, two hours twice a week (usually), in sections as follows: I, Mon, Wed, 1.30-3.30, II, Tu, Th, 9-11; III, Tu., Th, 1.30-3.30 Professor WARD and an assistant (iii)

Meteorology 1 is open to Freshmen and is required for admission to Meteorology 2, 3, 4, 5, and 6.

For Undergraduates and Graduates

[Meteorology 2 ¹/_{hf}. Climatology (general course). — Climate and Man]

Lectures, laboratory work, and conferences. *Half-course* (first half-year). Mon., Wed, Fri., at 9, and additional hours for conferences and laboratory work. Professor WARD. (ii)

Omitted in 1917-18

Meteorology 1, or an equivalent preparation, is required for admission to Meteorology 2.

Meteorology 3 ²/_{hf}. Climatology of North America

Lectures, laboratory work, and conferences. *Half-course* (second half-year). Mon., Wed, Fri., at 11, and additional hours for conferences and laboratory work. Professor WARD (iv)

Meteorology 1, or an equivalent preparation, is required for admission to Meteorology 3, 4, and 5, and Meteorology 2 is recommended.

[Meteorology 4 $\frac{1}{2}$ hf. Climatology of South America]

Lectures, laboratory work, and conferences. *Half-course (first half-year).*
Mon., Wed, Fri., at 11, and additional hours for conferences and laboratory work Professor WARD (IV)

Omitted in 1917-18

See note under Meteorology 5

[Meteorology 5 $\frac{1}{2}$ hf Climatology of the Eastern Hemisphere]

Lectures, laboratory work, and conferences *Half-course (first half-year).*
Mon., Wed, Fri., at 11, and additional hours for conferences and laboratory work Professor WARD (IV)

Omitted in 1917-18

Meteorology 4 and 5 are parallel courses. They are usually given in alternate years. Meteorology 1 is required for admission to Meteorology 4 and 5, and Meteorology 2 is recommended.

Meteorology 6 $\frac{1}{2}$ hf. Instrumental Meteorology

Lectures and laboratory work. *Half-course (second half-year). Six hours a week.* Professor McADIE.

This course is given at Blue Hill Observatory. Meteorology 1 is required for admission to Meteorology 6

Primarily for Graduates**Meteorology 20. Climatology (research course)**

Conferences, reports, and theses Professor WARD

Meteorology 1 and 2, and 3 or 4 or 5, or an equivalent preparation, are required for admission to Meteorology 20

Meteorology 20a. Meteorology (research course)

Professor McADIE

Meteorology 20a is given at Blue Hill Observatory. It is open to students who are competent to carry on investigations in advanced Meteorology

GEOLOGICAL CONFERENCE AND EXCURSIONS**THE GEOLOGICAL CONFERENCE**

Instructors and students in the Division of Geology meet usually on alternate Tuesday afternoons or evenings for the presentation of reports upon subjects investigated by the members of the Conference. Opportunity is given for informal comment and discussion. Announcements of meetings are made in the *University Gazette*. There are also brief statements of work in progress by instructors and students, and notices of new publications and of other matters of interest

EXCURSIONS

In addition to the systematic excursions in connection with various courses, excursions to places within a day's travel from Boston are conducted dur-

ing the autumn and the spring by the instructors in the Division of Geology. Such excursions are announced in the *University Gazette* and are open to all members of the University. Excursions to more distant places are generally made in the April recess.

Attention is called to the following courses —
The Courses in Mineralogy and Petrography.
The Summer Courses in Surveying at Squam Lake
The Summer Courses in Geology and Physiography

MINERALOGY AND PETROGRAPHY

Primarily for Undergraduates

2. Mineralogy (including Crystallography, Physical and Chemical Mineralogy, and Descriptive Mineralogy)

Mon., Wed., Fri., at 10. Laboratory, five hours a week, to be chosen from the following periods. *Tu., 9-1; 1.30-4.30. Wed and Fri., 11-1, 1.30-4.30.*
Professor PALACHE (III)

Course 2 is open to those students only who have taken Chemistry A or 1. Students intending to study petrography are advised to take Course 3 with Course 2.

For Undergraduates and Graduates

7 ¹/₂f. Advanced Crystallography

Lectures on selected topics in crystallography, with practical exercises in measurement and drawing of crystals — Lectures and laboratory work. *Half-course (first half-year).* Professor PALACHE.

Course 7 is open to those students only who have taken Course 2 or an equivalent.

10 ²/₅f. Advanced Mineralogy

Lectures on selected topics, with laboratory work and reading. *Half-course (second half-year)* Professor PALACHE.

Course 10 is open to those students only who have taken Course 2 or an equivalent.

8 ³/₅f. Optical Crystallography

Lectures and laboratory work. *Half-course (second half-year).* Professor WOLFF.

Course 8 is open to those students only who take or have taken Course 2.

12. Petrography

Lectures, laboratory work, and a thesis. *Tu., Th., at 11, and an occasional third hour, with additional laboratory hours.* Professor WOLFF. (XII)

Course 12 is open to those students only who have taken Course 2 and Geology 4 and 5 (or Geology S5 or S6). Course 8 is recommended.

Primarily for Graduates**14 ¹/₂ Advanced Petrography**

Lectures on selected topics and accompanying laboratory or field study. Two lectures and six laboratory hours a week *Half-course (first half-year)*. Professor WOLFF.

Course 14 is open to those students only who have taken Course 12

COURSE OF RESEARCH**20. Research in Mineralogy, Crystallography, or Petrography**

Professors WOLFF and PALACHE

GROUP III

HISTORY

In the courses in History, except History 1, ability to make use of French textbooks is taken for granted, and knowledge of German is of advantage. Courses designated as "Primarily for Graduates" may be taken, with the consent of the instructor, by Juniors and Seniors who are candidates for the Degree with Distinction.

Primarily for Undergraduates

History 1 is an introductory course. It forms the natural introduction to college work in History. In order to be admitted to more advanced courses in History (except History 2a and 2b), students must satisfy the instructor that they have had sufficient previous training in History. This requirement may be fulfilled by passing in an appropriate course in History in Harvard College or by other work satisfactory to the instructor. For History 32a and 32b, and 10a, a course in Government will be accepted as a suitable preparation. For admission to History 3a, 3b, and 4, an approved course in Greek or Latin will be accepted.

History 1. European History from the Fall of the Roman Empire to the Present Time

Mon., Wed., Fri., at 9 Professor HASKINS, assisted by Messrs ARRAGON, GOODYKOONTZ, PACKARD, and TROTTER, with lectures by Professors G. F. MOORE, EMERTON, COOLIDGE, GAY, and MERRIMAN, and Asst Professor JOHNSTON (11)

Course 1 is counted only as a half-course for Juniors and Seniors and for other students after their second year of residence.

The admission examination in Mediaeval and Modern European History may not be taken for the removal of an entrance condition by students who have taken History 1 in College.

I

ANCIENT HISTORY

For Undergraduates and Graduates

[History 4. History of Greece to the Roman Conquest]

Mon., Wed., Fri., at 9. Professor FERGUSON.

(11)

Omitted in 1917-18.

History 3a ¹/₂f History of the Roman Republic

Half-course (first half-year). Mon., Wed., Fri., at 9. Professor FERGUSON. (II)

To be omitted in 1918-19

History 3b ²/₂f History of the Roman Empire

Half-course (second half-year) Mon., Wed., Fri., at 9. Professor FERGUSON. (II)

To be omitted in 1918-19.

[History 37 ²/₂f Hellenistic Culture: its Character and Spread]

Half-course (second half-year) Tu., Th., at 1 30 Professor FERGUSON. (XIV)

Attention is called to the following courses —

Semitic 12 History of Babylonia and Assyria Professor LYON.

Semitic A4 ¹/₂f History of Israel Professor ARNOLD.

Egyptology 3 ¹/₂f History of Egypt. Professor REISNER.

Latin 4 *hf* The Roman Commonwealth in the Time of Cicero Professor A. A. HOWARD.

Latin 10 A Survey of Roman Civilization Professor CLIFFORD H. MOORE

Greek 10 A Survey of Greek Civilization. Professor GULICK.

Fine Arts 1c ¹/₂f History of Ancient Art Professor CHASE

Primarily for Graduates**History 36. Greek Political Institutions**

Tu., Th., and (at the pleasure of the instructor) Sat., at 9. Professor FERGUSON. (X)

To be omitted in 1918-19

[History 35. Roman Constitutional History]

Tu., Th., and (at the pleasure of the instructor) Sat., at 9. Professor FERGUSON. (X)

Omitted in 1917-18

COURSE OF RESEARCH**History 20i. Topics in Greek and Roman History**

Professor FERGUSON.

Attention is called to the following courses —

Class Arch 1a ¹/₂f. Greek Archaeology Professor CHASE

Class Arch 1b ²/₂f. Etruscan and Roman Archaeology. Professor CHASE

Egyptology 4 ²/₂f. History of Egyptian Art. Professor REISNER.

Egyptology 5. Egyptian Archaeology. Professor REISNER

Egyptology 6. Archaeological Field Work. Professor REISNER.

II

MEDIAEVAL HISTORY

For Undergraduates and Graduates

[History 5 ¹/₂h. The Church in the Middle Ages from Charlemagne to Dante]

Formation of the European states The Holy Roman Empire The Roman Papal system as the controlling force in European life *Half-course (first half-year)*. Tu, Th, at 11. Professor EMERTON. (XII)

Omitted in 1917-18

Course 5 is the same as Church History 2, announced by the Faculty of Divinity

[History 8 ³/₄h. History of France to 1328]

Half-course (second half-year). Tu, Th, at 2.30, and a third hour by appointment. Professor HASKINS. (XV)

Omitted in 1917-18.

History 9. Constitutional History of England to the Sixteenth Century Mon., Wed, Fri, at 11. Professor McILWAIN. (IV)

[History 41 ³/₄h. Intellectual History of Europe, 500-1500]

Half-course (second half-year) Tu., Th., at 2.30, and a third hour at the pleasure of the instructor. Professor HASKINS (XV)

Omitted in 1917-18, to be given in 1918-19

Attention is called to the following courses —

Semitic 15 ¹/₂h. Political and Social History of the Mohammedans to the Conquest of Egypt by Sellin I. Professor JEWETT.

Church History 6. History of Early Christian Literature outside of the New Testament. Professor LAKE

Comp. Lit. 5 ¹/₂h. The History of Classical Culture in the Middle Ages Professor E. K. RAND
Comp. Lit. 6. Literary History of England in the Middle Ages, and its Relations to that of the Continent Professor SCHOFIELD

Comp Lit. 35 ³/₄h. Life in the Middle Ages, as illustrated by Contemporary Literature. Asst. Professor K. G. T. WEBSTER

Fine Arts 1d ¹/₂h. History of Mediaeval, Renaissance, and Modern Art Asst. Professor POPE.

Fine Arts 9a. The Art and Culture of Italy in the Middle Ages and the Renaissance. Asst. Professor POSE.

Fine Arts 9b ¹/₂h. The Art and Culture of Spain. Asst. Professor POSE.

Primarily for Graduates

History 25 ¹/₂h. Historical Bibliography and Criticism

Half-course (throughout the year). Th., at 3.30. Professor HASKINS (XVI)

History 6. The First Eight Christian Centuries

The conflict of Christianity with Paganism. Origin and development of the Roman Papacy to its alliance with the Frankish State. The Germanic Races as the basis of a new Christian civilization. Tu., Th, at 9. Professor EMERTON. (X)

Course 6 is the same as Church History 1, announced by the Faculty of Divinity

[History 26¹. History of Christian Thought, considered in its relation to the prevailing philosophy of each period, from the earliest time to the Eighteenth Century]

First half-year Tu, Wed, Th, Fri, at 9 Professor EMERTON. (II and X)

Omitted in 1917-18

Course 26 is the same as Church History 5, announced by the Faculty of Divinity.

[History 38²_{hf}. Byzantine History]

Half-course (second half-year). Tu, Th, at 1 30. Professor FERGUSON.

Omitted in 1917-18

(XIV)

†History 21¹_{hf} Introduction to the Sources of Mediaeval History

Half-course (first half-year) Tu., 2 30-4 30. Professor HASKINS.

(XV and XVI)

†History 22²_{hf}. The Elements of Latin Palaeography, with reference to the use of historical sources

Half-course (second half-year). Tu, Th, at 2 30, and a third hour at the pleasure of the instructor. Professor HASKINS

(XV)

[History 45²_{hf} Diplomatics]

Half-course (second half-year). Th., 3 30-5 30. Professor HASKINS. (XVII)

Omitted in 1917-18.

COURSES OF RESEARCH

History 20a. Readings in Early Reformation Literature

Professor EMERTON

History 20b. Topics in the History of English Legal Institutions

Professor McILWAIN.

History 20c. Mediaeval Institutions

Professor HASKINS

III

MODERN HISTORY

Primarily for Undergraduates

History 2a¹_{hf}. European History from the Close of the Middle Ages to the End of the Thirty Years' War

Half-course (first half-year) Wed., Fri, and (at the pleasure of the instructor) Mon, at 12. Dr. SCHENCK.

(V)

History 2b²_{hf}. European History from the Middle of the Seventeenth Century to the Outbreak of the French Revolution

Half-course (second half-year) Mon, Wed, Fri, at 12 Mr LASKI. (V)

Courses 2a and 2b are open both to students who have taken History 1 and to Juniors and Seniors who have not taken History 1.

History 30a ¹/₂hf. Continental Europe since 1815

Half-course (first half-year) Mon., Wed, Fri., at 12. Asst. Professor LORD, assisted by Mr STEEFEL. (v)

History 30b ²/₂hf. The Expansion of Europe since 1815

Half-course (second half-year). Mon., Wed., and (at the pleasure of the instructor) Fri., at 12. Professor FAY (Smith College) (v)

For Undergraduates and Graduates**History 7. The Era of the Reformation in Europe from the Rise of Italian Humanism to the close of the Council of Trent (1350-1563)**

Tu, Th., at 11. Professor EMERTON (xii)
Course 7 is the same as Church History 3, announced by the Faculty of Divinity

[History 42 The Age of the Renaissance in Europe]

Mon., Wed., Fri., at 10. (iii)
Omitted in 1917-18.

[History 11 ³/₂hf. History of England during the Tudor Period]

Half-course (second half-year). Tu, Th., and (at the pleasure of the instructor) Sat., at 10. Professor MERRIMAN. (xi)
Omitted in 1917-18

History 12a ¹/₂hf. The History of England from 1688 to 1783

Half-course (first half-year) Tu, Th., at 9, and a conference hour. Asst Professor JOHNSTON (x)

History 12b ²/₂hf. The History of England from 1783 to the Present Time

Half-course (second half-year) Tu, Th, Sat., at 9 Mr LASKI. (x)
Course 12b is open only to students who have taken 12a

[History 40 ³/₂hf. History of France in the Seventeenth and Eighteenth Centuries]

Half-course (second half-year) Mon, Wed, Fri., at 12. Asst Professor LORD. (v)
Omitted in 1917-18.

History 55. Introduction to Military History and Theory

Tu, Th, at 2 30. Asst. Professor JOHNSTON. (xv)

History 14. The French Revolution and Napoleon I

Tu., Th, at 11, and a conference hour. Asst Professor JOHNSTON. (xii)

History 28. History of Modern Germany

Mon., at 2.30, Tu., at 10. Asst. Professor LORD and Professor FAY (Smith College). (vii and xi)

History 28 may be taken as a half-course in the second half-year by properly qualified students

[History 16 ¹/₂h. History of the Spanish Empire]*Half-course (first half-year). Tu, Th, and (at the pleasure of the instructor)**Sat., at 9. Professor MERRIMAN*

(x)

Omitted in 1917-18

[History 15. History of Russia]

Tu, Th, Sat., at 10 Asst. Professor LORD.

(xi)

Omitted in 1917-18

Courses 15 and 28 are usually given in alternate years

[History 19 ¹/₂h. The Eastern Question]*Half-course (first half-year) Mon, Wed., Fri., at 9. Professor COOLIDGE. (ii)*

Omitted in 1917-18.

Courses 19 and 18 are usually given in alternate years

[History 18 ¹/₂h. History of the Far East in the Nineteenth Century]*Half-course (first half-year). Mon., Wed., Fri., at 9. Professor COOLIDGE.*

Omitted in 1917-18

(ii)

[History 34 ¹/₂h. The Political Geography of Europe]*Half-course (first half-year). Tu, Th., Sat., at 11. Asst. Professor JOHN-**STON.*

(xii)

Omitted in 1917-18

Attention is called to the following courses —

History of Science 1. History of the Physical and Biological Sciences Asst. Professor HENDERSON

*History of Science 2a ¹/₂h. History of Physics to (and including) Newton. Dr SARTON.*History of Science 2b ²/₂h. History of Physics in the Eighteenth and Nineteenth Centuries. Dr SARTON*History of Science 3 ²/₂h. Science and Civilization in the Fifteenth and Sixteenth Centuries Dr SARTON.German 6 ¹/₂h. German Literature of the Eighteenth Century to the Death of Lessing Associate Professor BIERWIRTHGerman 7 ²/₂h. German Literature of the Classic Period after Lessing Associate Professor BIERWIRTH

German 82 Bismarck's Life and Writings Professor H. S. WHITE

Comp Lit. 24 ²/₂h. Political Satire in Europe since the Renaissance Professor BLISS PERRY.Geography 7 ¹/₂h. Geography of Europe Professor ARWOOD.

Primarily for Graduates

*History 24a ¹/₂h. The History of Christian Life and Institutions in Europe since the Reformation*Half-course (first half-year). Mon, Wed., Fri., at 11. Professor EDWARD C.**MOORE.*

(iv)

This course is the same as Church History 4a, announced by the Faculty of Divinity

*History 24b ²/₂h. The Expansion of Christendom and the Naturalization of Christianity in the Orient, more particularly during the Nineteenth Century*Half-course (second half-year). Mon, Wed., Fri., at 11. Professor EDWARD**C. MOORE.*

(iv)

This course is the same as Church History 4b, announced by the Faculty of Divinity

HISTORY**FACULTY OF ARTS AND SCIENCES****Group III**

History 27. Topics in Modern European History: Bismarck's Foreign Policy, 1862-71

Fri., 2-4. Asst. Professor LORD.

(VI-VIII)

[History 29. Selected Topics in the History of the Nineteenth Century]

Professor COOLIDGE.

Omitted in 1917-18

[History 48. Advanced History of Russia]

Th., at 2 30 Asst. Professor LORD.

(XV)

Omitted in 1917-18.

[History 31 ²/_{hf} Selected Topics from the History of Continental Europe in the Sixteenth and Seventeenth Centuries]

Half-course (second half-year). Tu, Th, Sat, at 12. Professor MERRIMAN.

(XIII)

Omitted in 1917-18

[History 39 ²/_{hf} Comparative Studies in the Institutions of Western Europe, 1300-1600 (England, France, Spain)]

Half-course (second half-year). Tu, Th, Sat, at 12. Professor MERRIMAN.

(XIII)

Omitted in 1917-18

[History 47 ²/_{hf} Introduction to the Sources of Modern European History, principally of the Eighteenth and Nineteenth Centuries]

Half-course (second half-year) Tu., 2 30-4 30 Asst. Professor LORD

Omitted in 1917-18

(XV and XVI)

[History 52 ¹/_{hf} European Diplomacy since 1814]

Half-course (first half-year). Tu, Th., at 11 Asst. Professor JOHNSTON.

(XII)

Omitted in 1917-18.

Course 52 is open to all graduates, and to undergraduates who have passed satisfactorily in History 80a.

COURSES OF RESEARCH

[History 20d. History of Continental Europe and of Asia in the Eighteenth and Nineteenth Centuries]

Professor COOLIDGE and Asst. Professor LORD.

Omitted in 1917-18

[History 20f. English Institutions in the Tudor and Stuart Periods]

Professor MERRIMAN.

Omitted in 1917-18.

[History 20g. Topics in the History of Spain in the Fifteenth and Sixteenth Centuries]

Professor MERRIMAN

Omitted in 1917-18.

History 20m. Topics in Military History

Wed., 2.30-4.30. Asst Professor JOHNSTON

IV

AMERICAN HISTORY

Primarily for Undergraduates

History 32a ¹/₂hf. American History: The Formation of the Union, 1760-1829

Half-course (first half-year). *Mon., Wed., Fri., at 11.* Dr. MORISON, assisted by Mr. ROTH (IV)

History 32b ²/₂hf. American History: The Development of the Nation, 1830 to the Present Time

Half-course (second half-year). *Mon., Wed., Fri., at 11.* Professor CHANNING and Asst Dean MAYO (IV)

History 32a and 32b are open to students who have passed satisfactorily in History 1, Government 1, or some other suitable introductory course. All others must obtain the consent of the instructor. History 32a is not open to those who have taken History 10b.

History 32b is not open to those who have taken History 13b.

The admission examination in American History may not be taken for the removal of an entrance condition by students who have taken History 32a or 32b in College.

For Undergraduates and Graduates

[History 10a ¹/₂hf American History to 1760]

Half-course (first half-year). *Mon., Wed., Fri., at 10.* (III)

Omitted in 1917-18

This half-course is open to students who have passed satisfactorily in History 1, History 32a, History 32b, Government 1, or some other suitable introductory course. All others must obtain the consent of the instructor.

History 33 ¹/₂hf The History of Massachusetts from 1780 to the Present Time

Half-course (first half-year). *Mon., Wed., Fri., at 12.* Dr. MORISON. (V)

Open to graduate students and to undergraduates who have passed satisfactorily History 32a and 32b.

History 17a ¹/₂hf. The History of the West to 1840

Half-course (first half-year). *Mon., Wed., Fri., at 10.* Professor TURNER (III)

History 17b ²/₂hf. The History of the West, 1840-1917

Half-course (second half-year). *Mon., Wed., Fri., at 10.* Professor TURNER. (III)

Course 17 is open only to students who have satisfactorily passed or are taking other college work in American History or who otherwise satisfy the instructor that they are prepared for the course.

History 43 ¹/₂hf. The American Civil War

Half-course (first half-year) Tu, Th., and (at the pleasure of the instructor) Sat., at 12. Professor A. B. HAET (XIII)

This course is open only to students who have taken, or are taking, History 32a and 32b.

History 56 ²/₂hf. History of Latin America

Half-course (second half-year) Tu, Th and (at the pleasure of the instructor) Sat., at 11. Professor MERRIMAN. (XII)

[History 57 ²/₂hf Recent Commercial History of Latin America]

Half-course (second half-year). Tu, Th., Sat., at 11 Dr KLEIN. (XII)
Omitted in 1917-18

[History 59 ¹/₂hf. History of Mexico, Central America, and the West Indies]

Half-course (first half-year). Mon., Wed, Fri., at 1 30. Dr. KLEIN. (VI)
Omitted in 1917-18

[History 60 ²/₂hf History of Argentina and Chile]

Half-course (second half-year) Mon, Wed, Fri., at 1 30. Dr. KLEIN. (VI)
Omitted in 1917-18
Course 60 is open only to students who have taken Course 56

Attention is called to the following courses —

Anthropology 5 American Archaeology and Ethnography Professor DIXON

Geography 6 ²/₂hf Geography of North America Professor ARWOOD

Meteorology 4 ¹/₂hf Climatology of South America Professor WARD

Primarily for Graduates**[*History 23a ¹/₂hf Selected Topics in the Historical Development of American Institutions: Political and Social History, 1820 to 1850]**

Half-course (first half-year). Mon, Wed, at 12. (V)
Omitted in 1917-18

***History 23b ²/₂hf. Selected Topics in the Historical Development of American Institutions: Political and Social History since 1865**

Half-course (second half-year). Mon, Wed, at 12. Professor CHANNING. (V)

***History 44. Selected Topics in American History, 1840-1855**

Mon, Wed, 4-5 30. Professor TURNER. (VIII)

†*History 46 hf. Manuscript Materials of American History

Half-course (throughout the year). Fri., at 4.30 Mr. W C. FORD

[*History 61 ²/₂hf. Latin-American Trade Problems]

Half-course (second half-year) Dr. KLEIN.

Omitted in 1917-18

Course 61 is also announced by the Graduate School of Business Administration.

Attention is called to the following course:—

Comparative Literature 20f Relations of Latin-American Literature to other Literatures.
Professor FORD.

COURSES OF RESEARCH

History 20e. American History

Professor CHANNING and Dr. MORISON.

[History 20h. Topics in the History and Present Conditions of Latin America]

Dr KLEIN.

Omitted in 1917-18

History 20k. American History

Professor TURNER

History 20n¹. Topics in the History of Massachusetts*First half-year.* Dr MORISON

V

ECONOMIC HISTORY*These courses also appear in the list of the Department of Economics***For Undergraduates and Graduates****Economics 2a¹hf. European Industry and Commerce in the Nineteenth Century***Half-course (first half-year).* Tu., Th., Sat., at 9 Professor GAY, assisted by Dr H B HALL. (x)**Economics 2b²hf. Economic History of the United States***Half-course (second half-year)* Th., Sat., and (at the pleasure of the instructor) Tu., at 9 Asst Professor GRAS (Clark University), assisted by Dr. H B. HALL. (x)**Primarily for Graduates**

[Economics 23. Economic History of Europe from the Thirteenth to the Early Nineteenth Century]

Wed., Fri., at 2 30, and a third hour at the pleasure of the instructor (vii)
Omitted in 1917-18**†Economics 24. Topics in the Economic History of the Nineteenth Century***Two consecutive evening hours a week, to be arranged.* Professor GAY.

COURSE OF RESEARCH

Economics 20. Economic Research

Professors CARVER, RIPLEY, GAY, BULLOCK, DAY, ANDERSON, SPRAGUE, and COLE.

VI

CHURCH HISTORY

History 5, 6, 7, 24a, 24b, 26, and 20a are courses in Church History. In addition to these, the following courses in Andover Theological Seminary (offered primarily to Graduates) are open to students in Harvard University:—

[History A1. History of the Church in Outline]

Tu., Th., Sat., at 9 Professor PLATNER. (X)

Omitted in 1917-18

History A2. History of Christian Doctrine

Tu., Th., Sat., at 9. Professor PLATNER. (X)

[History A3. Christian Institutions, historically and comparatively considered]

Tu., 3.30-5.30. Professor PLATNER (XVI)

Omitted in 1917-18

[History A5 ¹/₂. History of the Church in America]

Half-course (first half-year). Tu., Th., Sat., at 10. Professor PLATNER (XI)

Omitted in 1917-18

History A6. History of Early Christian Literature

Tu., 3.30-5.30 Professor PLATNER. (XVI)

VII

HISTORY OF RELIGIONS

Primarily for Graduates

History of Religions 1. The Origin and Development of Religion

Mon., Wed., Fri., at 2.30. Professor G. F. MOORE (VII)

Either half of this course may be taken as a half-course.

[History of Religions 2 ²/₃ History of Religions in Outline]

Half-course (second half-year). Mon., Wed., Fri., at 2.30. Professor G. F. MOORE. (VII)

Omitted in 1917-18.

History of Religions 3 ²/₃. Germanic and Celtic Religions

Half-course (second half-year). Three times a week. Professors KITTREDGE and F. N. ROBINSON.

History of Religions 4¹/₂ Judaism at the Beginning of the Christian Era

Half-course (first half-year) Mon., Wed, Fri., at 3.30 Professor G. F. MOORE (VIII)

History of Religions 7²/₅ The Religion of the Roman Empire at the Beginning of the Christian Era

Half-course (second half-year). Wed, Fri., at 12. Professor LAKE (V)

[History of Religions 9. Beginnings of Christianity]

Tu., Th., Sat., at 9 Professor LAKE. (X)

Omitted in 1917-18.

COURSE OF RESEARCH

History of Religions 20. Professor G. F. MOORE will direct the reading and investigations of competent students

Attention is called to the following courses —

Semitic A6 Religion of Israel Professor ARNOLD

Semitic 12 History of Babylonia and Assyria. Professor LYON

Greek 8 Plato and Aristotle Professor GULICK

Philosophy 8¹/₂ Philosophy of Nature Asst Professor HOLT.

Philosophy 7¹/₂ Theism Professor FENN

Philosophy 11¹/₂ Philosophical Systems of India

Philosophy 12 Greek Philosophy, with especial reference to Plato Dr. FULLER.

Philosophy 14b¹/₂ English Philosophy from Bacon to Hume Dr SHEFFER

Philosophy 15¹/₂ The Kantian Philosophy Dr MASON.

Philosophy 17a¹/₂ History of Christian Thought since 1632 Professor Edward C MOORE.

GOVERNMENT

In the courses in Government, ability to make use of French text-books is desirable, and knowledge of German is of advantage

Courses designated as "Primarily for Graduates" may be taken, with the consent of the instructor, by Juniors and Seniors who are candidates for the Degree with Distinction in the Division of History, Government, and Economics.

I**MODERN GOVERNMENT****Primarily for Undergraduates****1. Constitutional Government**

Tu, Th, Sat., at 9 President LOWELL, Professor MUNRO, Professor YEOMANS, and four assistants. (X)

Government 1 is recommended for students who expect to take any subsequent course in Government

Except with the consent of the instructor, Government 1 is counted only as a half-course for Juniors and Seniors, and for other students after their second year of residence.

Students who take this course may not use an admission examination in Civil Government to remove an admission condition in elective work.

For Undergraduates and Graduates

[9. Government of American States]

Mon., Wed., Fri., at 12. Asst Professor HOLCOMBE

(v)

Omitted in 1917-18

17. Municipal Government

Tu., Th., at 12, with a weekly section hour to be arranged Professor MUNRO
and Professor WHIPPLE (xiii)

Open to students who have passed satisfactorily in Government 1, or who can otherwise satisfy the instructor of their fitness

8thhf. Government of the French Republic and of the German Empire
Half-course (second half-year). Mon., Wed., and (at the pleasure of the instructor) Fri., at 10. Professor YEOMANS. (iii)

A reading knowledge of French is essential for this course

[10. Government of England]

Mon., Wed., Fri., at 10 Professor McILWAIN

(iii)

Omitted in 1917-18

25thhf. Government and Administration of Switzerland*Half-course (first half-year) Mon., Wed., Fri., at 9* Professor DUPRIEZ
(University of Louvain) (ii)[29thhf. European Electoral Systems]*Half-course (second half-year) Mon., Wed., Fri., at 11.* Professor DUPRIEZ
(University of Louvain) (iv)

Omitted in 1917-18

31. Municipal Administration

Mon., Wed., Fri., at 11 Professor WHIPPLE and Mr. HANFORD (iv)[*35thhf. Military Administration — Departments, Supply, Railroads, Sanitation]*Half-course (second half-year) Mon., Wed., and (at the pleasure of the instructor) Fri., at 1 30* Professors HART, G. C. WHIPPLE, COLE, and CUNNINGHAM, and an assistant. (vi)

Omitted in 1917-18

Primarily for Graduates

[12. American Political System, National, State, and Municipal]

Tu., Th., Sat., at 10 Professor A. B. HART

(xi)

Omitted in 1917-18

Courses 12 and 14 are usually given in alternate years.

26¹hf. Centralized Administration

Half-course (first half-year) Mon, Wed, Fri, at 11 Professor DUPRIEZ
(University of Louvain). (IV)

Ability to read ordinary French will be expected

[28²hf. Budget System of Great Britain]

Half-course (second half-year). Mon, Wed, Fri, at 9 Professor DUPRIEZ
(University of Louvain) (II)

Omitted in 1917-18

COURSES OF RESEARCH

20a¹. Selected Topics in Municipal Government

First half-year Professor MUNRO

[20d. Selected Topics in State Government]

Asst. Professor HOLCOMBE.

Omitted in 1917-18

20e. American Institutions — National, State, Municipal, and Diplomatic

Mon., at 4. Professor A. B. HART

Attention is called to the following courses —

Economics 8a¹hf Public Finance, exclusive of Taxation Professor BULLOCK

Economics 5b²hf The Theory and Methods of Taxation Dr BURBANK.

Social Ethics 5¹hf The Housing Problem Asst. Professor JAMES FORD.

Education B²hf School Administration in State and City Professor HANUS

Education 8a Organization and Management of State and City Schools and School Systems Professor HANUS

Landscape Architecture 10 Principles of City Planning Professor PRAY

Landscape Architecture 3 Practice in Design, Park and City Planning Professor PRAY

Municipal Corporations Professor BEALE

Administrative Law Professor FRANKFURTER.

Public Utilities Operation Mr BLOOD

The Financial Management of Local Public Service Corporations. Professor SPRAGUE.

II

LAW AND POLITICAL THEORY

For Undergraduates and Graduates

13. Constitutional Development of the United States (1775-1918)

Tu, Th, and (at the pleasure of the instructor) Sat, at 12 Professor A. B. HART and Mr HANFORD (XIII)

To be omitted in 1918-19.

Courses 11 and 13 are usually given in alternate years

6a¹hf. History of Political Theories

Half-course (first half-year). Mon, Wed, Fri, at 9. Mr LASEI. (II)

[6b¹hf. Political Theories of Modern Times]

Half-course (first half-year). Tu, Th, Sat, at 9 Asst. Professor HOLCOMBE. (X)

Omitted in 1917-18.

5a¹/₂f. The Development of Roman Law

Half-course (first half-year). Mon., Wed., Fri., at 10. Professor McILWAIN (III)

To be omitted in 1918-19

5b²/₂f. The Development of English Law

Half-course (second half-year) Mon., Wed., Fri., at 10. Professor McILWAIN. (III)

To be omitted in 1918-19.

[11¹/₂f. Federal Government: History, Theory, and Systems]

Half-course (first half-year). Tu., Th., and (at the pleasure of the instructor) Sat., at 12 Professor A B HART. (XIII)

Omitted in 1917-18

Courses 11 and 13 are usually given in alternate years.

[19. American Constitutional Law]

Mon., Wed., Fri., at 1 30. (VI)

Omitted in 1917-18.

III
INTERNATIONAL LAW AND DIPLOMACY**For Undergraduates and Graduates****4. Elements of International Law**

Tu., Th., Sat., at 11. Professor G. G. WILSON, assisted by Dr. P Q WRIGHT (XII)

***14. American Diplomacy, Treaties, and Foreign Policy**

Tu., Th., Sat., at 10 Professor A. B HART (XI)

To be omitted in 1918-19

For Course 14 acquaintance with a narrative course in American History and a course in International Law will be serviceable

Courses 12 and 14 are usually given in alternate years

Primarily for Graduates**[15. International Law as administered by the courts and as observed in international negotiations]**

Tu., Th., at 1 30, and a third hour at the pleasure of the instructor. Professor G. G. WILSON (XIV)

Omitted in 1917-18.

Courses 15 and 23 are usually given in alternate years

23. Selected Cases in International Law

Tu., Th., at 1 30, and a third hour at the pleasure of the instructor. Professor G. G. WILSON. (XIV)

To be omitted in 1918-19.

Courses 15 and 23 are usually given in alternate years.

COURSE OF RESEARCH

20c. International Law

Professor G G WILSON

The attention of those preparing for public service is called to the following courses, as within the field for suitable selection —

History 82a ¹/_{hf} American History The Formation of the Union, 1760–1829. Dr. MORISON
History 82b ²/_{hf} American History The Development of the Nation, 1830 to the Present
Time. Professor CHANNING and Asst. Dean MAYO

History 15 History of Russia Asst. Professor LORD.

History 16 ¹/_{hf} History of the Spanish Empire Professor MERRIMAN

History 18 ¹/_{hf} History of the Far East in the Nineteenth Century Professor COOLIDGE

History 19 ¹/_{hf} The Eastern Question Professor COOLIDGE

History 28 History of Modern Germany Asst. Professor LORD and Professor FAY (Smith College)

History 29 Selected Topics in the History of the Nineteenth Century Professor COOLIDGE

History 30a ¹/_{hf} Continental Europe since 1815 Asst. Professor LORD

History 30b ²/_{hf} The Expansion of Europe since 1815 Professor FAY (Smith College)

History 52 ¹/_{hf} European Diplomacy since 1814 Asst. Professor JOHNSTON

History 56 ²/_{hf} History of Latin America Professor MERRIMAN

History 57 ²/_{hf} Recent Commercial History of Latin America. Dr. KLEIN

Economics A Principles of Economics Asst. Professors DAY and J S DAVIS, and Dr. BURBANK

Economics 5a ¹/_{hf} Public Finance, exclusive of Taxation Professor BULLOCK

Economics 5b ²/_{hf} The Theory and Methods of Taxation Dr. BURBANK

Economics 1b ²/_{hf} Statistics Asst. Professor DAY

Economics 2a ¹/_{hf} European Industry and Commerce in the Nineteenth Century Professor GAY

Economics 2b ²/_{hf} Economic History of the United States Asst. Professor GRAS (Clark University)

Also the following courses in the Graduate School of Business Administration —

Commercial Contracts Professor SCHAUB

Marketing Asst. Professors CHERINGTON and M T COPELAND

Foreign Trade Methods Asst. Professor CHERINGTON.

European Trade Asst. Professor M. T. COPELAND

ECONOMICS**Primarily for Undergraduates****A. Principles of Economics**

Tu, Th, Sat, at 11 Asst. Professor DAY and Asst. Professor J. S. DAVIS,
Dr. BURBANK, Mr. A. E. MONROE, Dr. E. E. LINCOLN, and others (XII)

Course A cannot be taken by Freshmen without the consent of the instructor.

For Undergraduates and Graduates

The Courses for Undergraduates and Graduates, unless otherwise stated, are open only to students who have passed in Course A Economics 1a, 1b, 2a and 2b may be taken, with the consent of the instructor, by students who take Course A at the same time. Economics 8 is open to Juniors and Seniors of good standing who are taking Course A Other courses in the group can be taken at the same time with Economics A only by special vote of the Department.

1a ¹/₂f. Accounting

Half-course (first half-year) Mon, Wed, and (at the pleasure of the instructor) Fri, at 11 Asst Professor J S DAVIS, assisted by Mr. PALMER (IV)
Laboratory work will occupy two or four hours weekly

1b ²/₂f. Statistics

Half-course (second half-year) Mon, Wed, Fri., at 11. Asst Professor DAY (IV)
Laboratory work in the solution of problems and preparation of charts and diagrams will be required.

2a ¹/₂f. European Industry and Commerce in the Nineteenth Century
Half-course (first half-year). Tu, Th., Sat., at 9. Professor GAY, assisted by Dr. H. B. HALL (X)

2b ²/₂f. Economic History of the United States

Half-course (second half-year). Th., Sat., (and at the pleasure of the instructor) Tu, at 9. Asst Professor GRAS (Clark University), assisted by Dr H B HALL (X)

3. Money, Banking, and Commercial Crises

Tu, Th., at 1 30, with a third hour for sections on Friday morning, Friday afternoon, and Saturday morning Asst Professor ANDERSON, assisted by Mr LAPORTE (XIV)

4a ¹/₂f. Economics of Transportation

Half-course (first half-year) Tu, Th., Sat., at 11. Professor RIPLEY, assisted by Mr. AITON. (XII)

4b ²/₂f. Economics of Corporations

Half-course (second half-year). Tu, Th., Sat., at 11 Professor RIPLEY, assisted by Mr AITON. (XII)

5a ¹/₂f. Public Finance, exclusive of Taxation

Half-course (first half-year). Mon., Wed, Fri., at 9 Professor BULLOCK. (II)

5b ²/₂f. The Theory and Methods of Taxation

Half-course (second half-year). Mon., Wed., Fri., at 9 Dr BURBANK. (II)

6a ¹/₂f. Trade-Unionism and Allied Problems

Half-course (first half-year) Tu, Th., Sat., at 10. Professor RIPLEY (XI)

[6b ²/₂f. The Labor Movement in Europe]

Half-course (second half-year). Tu., Th., Sat., at 10. (XI)
Omitted in 1917-18.

[*7a ¹/₂f. Economic Theory].

Adam Smith, J S Mill, modern writers *Half-course (first half-year). Tu., Th., at 2.30, and (at the pleasure of the instructor) Sat., at 11.* (XV)
Omitted in 1917-18

7b ²hf. The Single Tax, Socialism, Anarchism

Half-course (second half-year) Mon., Wed., Fri., at 10 Asst Professor
ANDERSON (III)

8. Principles of Sociology

Mon., Wed., Fri., at 9 Professor CARVER (II)

***9 ¹hf. Economics of Agriculture**

Half-course (first half-year). Mon., Wed., and (at the pleasure of the instructor) Fri., at 10. Professor CARVER (III)

Primarily for Graduates

Except by special vote of the Department the courses for graduates are open to those undergraduates only who are in their last year of work and are candidates for the Degree with Distinction in the Division of History, Government, and Economics, but students of good standing may, in their last year of study, be admitted to Courses 23 and 32, if they can show that they have special need of the subject

I**ECONOMIC THEORY AND METHOD****†11. Economic Theory**

Mon., Wed., Fri., at 2 30 Professors CARVER and BULLOCK. (VII)

[12 ¹hf. The Distribution of Wealth]

Half-course (first half-year) Tu., Th., and (at the pleasure of the instructor) Sat., at 9 Professor CARVER. (X)
Omitted in 1917-18

†13. Statistics: Theory, Method, and Practice

Mon., Wed., Fri., at 9. Asst Professor DAY. (II)

†14. History and Literature of Economics to the year 1848

Mon., Wed., and (at the pleasure of the instructor) Fri., at 11. Professor BULLOCK (IV)

[15. German and French Economists of the Nineteenth Century]

Two consecutive evening hours per week, to be arranged Professor GAY.
Omitted in 1917-18

[16 ²hf. The Theories of Contemporary Socialism]

Half-course (second half-year). Hours to be arranged
Omitted in 1917-18.

17. Economic Theory: Value and Related Problems

Tu., Th., and (at the pleasure of the instructor) Sat., at 10 Asst Professor
ANDERSON (XI)

18a ¹/₂f. Analytical Sociology

Half-course (first half-year) Tu, Th., and (at the pleasure of the instructor)
Sat., at 2 30 Asst Professor ANDERSON (XV)

18b ¹/₂f. Historical Sociology

Half-course (second half-year) Tu, Th., and (at the pleasure of the instructor)
Sat., at 2 30 Asst. Professor ANDERSON (XV)

II

ECONOMIC HISTORY**[23. Economic History of Europe from the Thirteenth to the Early Nineteenth Century]**

Wed., Fri., at 2 30, and a third hour at the pleasure of the instructor. (VII)
Omitted in 1917-18

‡24. Topics in the Economic History of the Nineteenth Century

Two consecutive evening hours a week, to be arranged Professor GAY.

III

APPLIED ECONOMICS**‡31. Public Finance**

Mon., Wed., and (at the pleasure of the instructor) Fri., at 10. Professor
BULLOCK. (III)

‡32 ²/₃f. Economics of Agriculture

With special reference to American conditions. Half-course (second half-year). Tu, Th., Sat., at 9. Professor CARVER. (X)

[33 ²/₃f. International Trade and Tariff Problems]

Half-course (second half-year). Tu, Th., at 2 30. (XV)
Omitted in 1917-18

‡34. Problems of Labor

Tu. and Th., at 1.30 Professor RIPLEY. (XIV)

Attention is called to the following courses —

History 56 ²/₃f. History of Latin America. Professor MERRIMAN.

History 57 ²/₃f. Recent Commercial History of Latin America. Dr KLEIN.

History 59 ¹/₂f. History of Mexico, Central America, and the West Indies Dr KLEIN

Attention is also called to the following courses offered by the Graduate School of Business Administration —

Marketing Asst Professors CHERINGTON and M T COPELAND

Banking Professor SPRAGUE

Corporation Finance, with especial reference to Railroad Companies Professor SPRAGUE

Railroad Organization and Accounting Professor CUNNINGHAM

Railroad Rate-Making Mr RICH

IV

SOCIAL SCIENCES

For Undergraduates and Graduates

[Anthropology 12^½h. Primitive Sociology, a History of Institutions]
Half-course (second half-year). Mon, Wed, Fri, at 1.30. Asst. Professor TOZZER (VI)

Omitted in 1917-18

Open only to students who have taken Anthropology 1 or Economics 8

Social Ethics 2^½h Poor Relief

Lectures, prescribed reading, and field work *Half-course (second half-year). Mon, Wed, at 1.30, and a third hour by special appointment. Asst Professor JAMES FORD* (VI)

[*Social Ethics 3^½h. Criminology and Penology]

Lectures, prescribed reading, and reports *Half-course (first half-year). Omitted in 1917-18.*

Social Ethics 4^½h. American Population Problems: Immigration and the Negro

Lectures, prescribed reading, and a research. *Half-course (first half-year). Mon., Wed, Fri, at 11. Asst. Professor FOERSTER.* (IV)

Social Ethics 5^½h. The Housing Problem

Lectures, prescribed reading, and research. *Half-course (first half-year). Mon, Wed., Fri., at 10. Asst. Professor JAMES FORD* (III)

Social Ethics 6^½h. Unemployment and Related Problems of the Working Classes, with Special Consideration of Social Insurance

Lectures and prescribed reading. *Half-course (second half-year). Mon., Wed, Fri, at 11 Asst Professor FOERSTER* (IV)

Social Ethics 7^½h. Rural Social Development

Lectures, prescribed reading, and thesis. *Half-course (second half-year). Mon, Wed., Fri, at 10. Asst. Professor JAMES FORD.* (III)

[Social Ethics 8½. Child-Helping Agencies]

Lectures, prescribed reading, and field work *Half-course (first half-year). Tu, Th, at 2 30, and a conference hour by appointment.* (xv)

Omitted in 1917-18

Courses in Social Ethics belong to Group IV.

Primarily for Graduates**Social Ethics 15½ Recent Theories of Social Reform**

Half-course (first half-year). Two consecutive afternoon or evening hours a week, to be arranged Asst. Professor FOERSTER.

This course is conducted as a course of research by the seminary method.

Social Ethics 20 Special Researches

Asst. Professors FOERSTER and FORD will conduct researches of competent students in special fields of Social Ethics.

[Social Ethics 20a. Standards of Living and Standards of Earning]

Two consecutive afternoon or evening hours a week, to be arranged. Asst. Professor FOERSTER

Omitted in 1917-18

§Social Ethics 20b. Seminary. The Alcohol Problem

Two consecutive afternoon or evening hours a week, to be arranged Asst. Professor JAMES FORD

V**COURSE OF RESEARCH IN ECONOMICS**

Graduate students pursuing research may register in the following course, which has the same status as any of the other graduate courses in Economics. Such research will be under the direction of members of the Department, and may lie within any of the fields recognized as appropriate for candidates for the degree of Doctor of Philosophy:—

20. Economic Research

Professors CARVER, RIPLEY, GAY, BULLOCK, DAY, ANDERSON, SPRAGUE, and COLE

THE SEMINARY IN ECONOMICS *Mon, at 7.30*

Meetings are held each week by instructors and advanced students for the presentation of the results of investigation.

EDUCATION

For Undergraduates and Graduates

A¹hf. Principles and Problems of Modern Education — Contemporary Educational Conditions (Introductory Course)

Lectures, prescribed reading, reports, and an essay *Half-course (first half-year)* Mon, Wed, Fri, at 10 Professor HOLMES (III)

B²hf. School Administration in State and City — Contemporary Tendencies and Problems

Lectures, prescribed reading, and essays. *Half-course (second half-year)*. Mon, Wed, Fri, at 10 Professor HANUS. (III)

1. The History of Education

Lectures, prescribed reading, and essays Mon, Wed, Fri., at 12. Professor A. O. NORTON (Wellesley College) (v)

[5. The Philosophy of Education]

Fundamental Problems of Educational Theory Lectures, prescribed reading, and essays. Tu, Th, at 9, and a third hour at the pleasure of the instructor Professor HOLMES (x)

Omitted in 1917-18

[6a¹hf. Educational Theory in the Early Nineteenth Century]

Fröbel Constructive discussion of educational aims Lectures, prescribed reading, and essays. *Half-course (first half-year)*. Tu, Th, Sat, at 12. Professor HOLMES (xiii)

Omitted in 1917-18

[6b²hf. Educational Theory in the Early Nineteenth Century]

Pestalozzi and Herbart. Constructive discussion of educational methods. Lectures, prescribed reading, and essays. *Half-course (second half-year)*. Tu., Th, Sat, at 12 Professor HOLMES. (xiii)

Omitted in 1917-18

7²hf. Educational Psychology

Lectures, prescribed reading, discussions, and class experiments. *Half-course (second half-year)* Mon, Wed, Fri, at 12 Professor DEARBORN. (v)

[8¹hf. School Hygiene]

Lectures, reading, visits, reports, and discussions *Half-course (first half-year)*. Mon., Wed., Fri, at 9. Professor DEARBORN. (II)

Omitted in 1917-18

[14 ²/₂f. Child Development]

Stages and characteristics in the development of children's interests, activities, and abilities. The methods and results of child study in their bearing on teaching and the programme of studies, and on home training. *Half-course (second half-year)* Mon, Wed., Fri., at 9. Asst. Professor G. E. JOHNSON (II)

Omitted in 1917-18

Primarily for Graduates

[3a. Organization and Management of State and City Schools and School Systems]

Duties and opportunities of superintendents and principals. Visits to schools, with special reference to the duties of supervising officers. Experimental study of problems in school administration. Lectures, prescribed reading, reports, discussions, and two comprehensive theses. *Tu, Th., at 10, and a third hour at the pleasure of the instructor.* Professor HANUS. (XI)

Omitted in 1917-18

3b. Principles of Secondary Education

Lectures, prescribed reading, reports, discussions, and theses. School visits and observation. *Tu, Th., at 3 30, and conferences by appointment.* Asst. Professor INGLIS. (XVI)

See note under Course 9

3c. Elementary Education

Programmes of study, methods, school and class management. Visits to schools. Lectures, reading, reports, discussions, and a thesis. *Tu, Th., at 2 30, and conferences by appointment.* Professor HOLMES. (XV)

*9 ²/₂f. Teaching

Teaching under supervision in the schools of Newton, Brookline, Arlington, Medford, Somerville, Belmont, Watertown, and Cambridge. Lectures, exercises, and discussions on problems of class-room practice. *Half-course (second half-year)* Mon, Wed., at 2 30, and conferences by appointment. Asst. Professor INGLIS. (VII)

Course 9 is open only to students who are also taking Course 3b or 3c, or who have taken one of these courses

[11 ¹/₂f. Historical and Comparative Study of Secondary Education]

Lectures, reading, discussions, reports, and a thesis. *Half-course (first half-year).* Mon, Wed., at 2 30. Asst. Professor INGLIS. (VII)

Omitted in 1917-18

‡*15¹hf. The Reorganization of Secondary Education

Problems of theory and practice involved in the reorganization of secondary schools. The Junior High School and other plans for the readjustment of secondary education. Lectures, reading, discussions, reports, and school visits. *Half-course (first half-year)*. *Mon, Wed, at 4 30*. Asst Professor INGLIS

[4²hf. Statistical and Experimental Studies in Education]

Methods and results of recent statistical and experimental studies of school problems. Investigations in the schools of neighboring towns and cities. Lectures, prescribed reading, exercises, and discussions. *Half-course (second half-year)*. *Mon, Wed, Fri, at 9*. Professor DEARBORN (II)

Omitted in 1917-18

‡12a¹hf. Play in Education

General course for teachers, principals, superintendents of schools, social workers, and others. *Half-course (first half-year)*. *Tu, Th, at 11, with conferences, observations, and demonstrations, at hours to be arranged*. Asst Professor G. E. JOHNSON and Mr. JOSEPH LEE (XII)

[12b²hf. The Administration and Conduct of Play and Recreation in School Systems. — The Problem of Athletics in School and College]

Practical course for graduate students of Education, teachers, principals and superintendents. *Half-course (second half-year)*. *Tu, Th, at 11, with conferences, observations, and demonstrations, at hours to be arranged*. Asst. Professor G. E. JOHNSON, Mr. JOSEPH LEE, and others (XII)

Omitted in 1917-18

‡16a. Vocational Guidance: Principles, Practice, and Problems

Factors in the choice of occupation, the influence of vocational requirements on school programmes and methods of teaching, duties and opportunities of teachers, school officers, parents, employers, and others, in vocational guidance; the functions of the vocational counsellor; closely related industrial and employment problems. Lectures, reading, reports, discussions, visits to industrial plants, conferences with vocational counsellors, and opportunities for participation in counselling. *Mon., Wed., at 4 30, and conferences by appointment*. Mr. R. W. KELLY, assisted by Mr. F. J. ALLEN

The Bureau of Vocational Guidance, formerly the Vocation Bureau of Boston, is hereafter to be conducted by the Division of Education in cooperation with the Graduate School of Business Administration. The work of the Bureau will be carried on under the direction of Mr. KELLY, with the assistance of Mr. ALLEN and selected students in Course 16a

OPPORTUNITIES FOR RESEARCH IN EDUCATION

The opportunity to conduct educational experiments and investigations in the schools of Newton, Mass (and occasionally in other nearby towns and cities), is open to competent students in the advanced courses and seminaries of the Division. In Newton this work is officially under the joint supervision of the instructors of the Division and the Superintendent of Schools

SEMINARY COURSES

‡20. Special Research in Education

Under the direction of an instructor of the Division, and not provided for in a regular seminary or laboratory course.

‡20a. Problems in Educational Administration

Lectures, discussions, and investigations. *Wed*, 4 15-6.15 Professor HANUS.

20b. Problems of the Elementary School

Constructive studies in teaching and administration in the elementary school. Reading, discussions, and investigations. *Sat*, 10-12 Professor HOLMÉS. (XI)

‡20c ¹/₂f Problems in Mental and Physical Development

Studies in child development, with special reference to cases of deficient, retarded, and psychopathic children in school. *Half-course (second half-year)*

Tu, 7 30 to 9 30 P.M. Professor DEARBORN

In 1917-18, Education 20c, ordinarily a full course, will be given in the second half-year as a half-course

‡20d ³/₄f. Research in Educational Psychology

Experimental investigations in the Psychological Laboratory and in schools.

Half-course (second half-year) Hours to be arranged Professor DEARBORN.

In 1917-18, Education 20d, ordinarily a full course, will be given in the second half-year as a half-course

‡20f. Problems in Secondary Education

Preliminary lectures, reading, and discussions, reviews, reports, and investigations by members of the class *Hours to be arranged* Asst Professor INGLIS.

‡20h ¹/₂f Play and Recreation

Technical course for teachers, playground directors, and social workers.

Half-course (first half-year). Sat., 10-12, with conferences, observations, demonstrations, and practical exercises, at hours to be arranged Asst Professor G E JOHNSON and Mr. JOSEPH LEE.

(XI)

Attention is called to the following courses —

English 10 *hf* Public Speaking Associate Professor WINTER and Mr MASTERSON

English 67. English Composition Professor GREENOUGH

Zoölogy 8 *1/2 hf* Genetics and Eugenics Professor CASTLE

*Zoölogy 14a *1/2 hf* The Structure and Functions of Sense Organs Professor PARKER

*Zoölogy 14b *1/2 hf* The Structure and Functions of Central Nervous Organs. Professor PARKER

Government 9. Government of American States

Government 17 Municipal Government Professor MUNRO and Professor WHIPPLE

Government 12 American Political System — National, State, and Municipal. Professor A. B. HART.

Government 20e American Institutions — National, State, Municipal, and Diplomatic. Professor A. B. HART

Economics 1b *2/2 hf* Statistics Asst. Professor DAY

Economics 8. Principles of Sociology Professor CARVER

Anthropology 1 General Anthropology Dr HOOTON

Philosophy 1 *1/2 hf* General Problems of Philosophy. Asst. Professor HOERNLE

Philosophy 2 *2/2 hf* Introduction to Philosophy through the Problems of Conduct and Religion. Professor HOCKING

Philosophy 4 *2/2 hf* Ethics — General Course Professor HOCKING

Psychology A *2/2 hf* General Introduction to Psychology Asst Professor LANGFELD

Psychology 2 *1/2 hf* Introduction to the Psychology of Human Behavior Asst Professor HOLT

Social Ethics 1 Social Problems and Social Policy — Principles and Methods of Social Amelioration Asst Professors FOERSTER and JAMES FORD

Social Ethics 4 *1/2 hf* American Population Problems Immigration and the Negro. Asst Professor FOERSTER

Social Ethics 7 *2/2 hf* Rural Social Development Asst. Professor JAMES FORD.

ANTHROPOLOGY

Primarily for Undergraduates

1. General Anthropology

Mon, Wed, Fri., at 9. Dr. HOOTON.

(II)

For Undergraduates and Graduates

The courses for Undergraduates and Graduates are open to students who have passed satisfactorily in Course 1. Ability to read French is required for Course 4, and either French or German for Courses 7, 11, and 14.

5. American Archaeology and Ethnography

Mon, Wed., Fri., at 10 Professor DIXON.

(III)

2. Physical Anthropology

Lectures and laboratory work. *Tu, Th, 11-1.* Dr HOOTON (XII, XIII)

Course 2 is especially desirable for students preparing for the medical school or for professional work in Anthropology. Zoology 1 may be considered as preparation for Course 2 instead of Anthropology 1.

With the permission of the instructor the first half of this course may be counted as a half-course.

[3¹/₂hf. Criminal Anthropology and Race Mixture]

Half-course (second half-year). Tu, Th, Sat, at 10. Dr. HOOTON. (XI)

Omitted in 1917-18

Approved courses in Psychology, Zoology, or Social Ethics may be accepted as preparation for Course 3.

[4¹/₂hf. Prehistoric European Archaeology and European Ethnography]

Half-course (second half-year). Mon, Wed, Fri, at 12. Dr HOOTON. (V)

Omitted in 1917-18

7¹/₂hf Ethnography of Oceania

Half-course (first half-year) Mon, Wed, Fri, at 11. Professor DIXON. (IV)

11¹/₂hf Ethnography of Asia

Half-course (second half-year) Mon, Wed, Fri., at 11. Professor DIXON. (IV)

[14¹/₂hf Ethnography of Africa]

Half-course (first half-year). Mon, Wed, Fri, at 12. Dr. HOOTON. (V)

Omitted in 1917-18

[12¹/₂hf. Primitive Sociology, a History of Institutions]

Half-course (second half-year). Mon, Wed, Fri, at 130. Asst. Professor TOZZER. (VI)

Omitted in 1917-18

Economics 8 may be considered as preparation for Course 12, in place of Anthropology 1.

13¹/₂hf. Primitive Industries and Arts

Half-course (second half-year) Mon, Wed, Fri., at 12. Professor DIXON. (V)

***8²/₂hf American Indian Languages**

Discussion and study of selected texts. *Half-course (second half-year). Mon, Wed, and (at the pleasure of the instructor) Fri, at 330.* Professor DIXON. (VIII)

This course may be taken with or after Course 5, or by competent students who are engaged in the study of linguistics.

[*9 ¹/₂h. Archaeology and Hieroglyphic Systems of Central America]
Half-course (first half-year) Mon, Wed, Fri., at 11. Asst. Professor TOZZER (IV)

Omitted in 1917-18

[*10 ²/₂h. Archaeology and Ethnography of Mexico]
Half-course (second half-year). Mon, Wed, Fri., at 11. Asst. Professor TOZZER (IV)

Omitted in 1917-18.

Courses 9 and 10 are open to those students who have taken Courses 1 and 5 or have had equivalent preparation. Ability to read Spanish and German is desirable

[*15 h. Field Methods in Anthropology]
Lectures, demonstrations, and excursions *Half-course Wed, at 2 30. Professor DIXON, Asst. Professor TOZZER, and Dr HOOTON, with occasional lectures by specialists in various fields.* (VII)

Omitted in 1917-18

Primarily for Graduates

COURSES OF RESEARCH

20a. American Archaeology and Ethnology

Professor DIXON.

Course 20a is carried on by work in the laboratory and Museum, and when possible by field work and explorations. The course is intended for those who wish to engage professionally in archaeological and ethnological work.

20b. Advanced Physical Anthropology

Dr. HOOTON.

20c. Studies in American Languages

Professor DIXON

Opportunity will be given to competent students to carry on research in the languages of the American Indians.

20d. General Ethnology

Professor DIXON

[20e. Central American and Mexican Archaeology and Hieroglyphics]

Asst. Professor TOZZER.

Omitted in 1917-18

20f. African Ethnology and Archaeology

Dr HOOTON

Attention is called to the following courses —

Egyptology 5 and 6 Egyptian Archaeology and Archaeological Field Work Professor REISNER

Classical Archaeology 1a ¹/₂h. and 1b ²/₂h. Greek, Etruscan, and Roman Archaeology Professor CHASE

Comparative Philology 2a hf. and 2b hf. Linguistic Science Professors GRANDGENT and VON JAGEMANN.

Economics 8 Principles of Sociology. Professor CARVER.

History of Religions 1. The Origin and Development of Religion Professor G F MOORE

History of Religions 3 1/2 hf. Germanic and Celtic Religions. Professors KITTREDGE and F. N ROBINSON

Philosophy 11 1/2 hf. Philosophical Systems of India.

Zoölogy 3 1/2 hf. Comparative Anatomy of Vertebrates Asst Professor H. W RAND

Zoölogy 8 1/2 hf. Genetics and Eugenics Professor CASTLE

Botany 11 1/2 hf. The Principles of Genetics Professor EAST

Geology 4 1/2 hf. Introduction to Geology. Professor DALY.

Geology 5 1/2 hf. Historical Geology Associate Professors WOODWORTH and RAYMOND

Geography 1 1/2 hf. Physiography Professor ATWOOD

Geography 2 1/2 hf. Glaciers and Glacial Deposits. Professor ATWOOD

GROUP IV

PHILOSOPHY AND PSYCHOLOGY

PHILOSOPHY

Primarily for Undergraduates

A ¹/₂f. History of Ancient Philosophy

Half-course (first half-year). Mon., Wed., Fri., at 10. Professor R. B. PERRY. (III)

B ²/₂f. History of Modern Philosophy

Half-course (second half-year) Mon., Wed., Fri., at 10. Professor ADDISON W. MOORE (University of Chicago). (III)

C ¹/₂f. Elementary Logic

Half-course (first half-year). Mon., Wed., Fri., at 2 30 Dr SHEFFER (VII)

1 ¹/₂f. General Problems of Philosophy

Half-course (first half-year). Mon., Wed., Fri., at 9. Asst Professor HOERNLE (II)

[2 ²/₂f. Introduction to Philosophy through the Problems of Conduct and Religion]

Half-course (second half-year) Mon., Wed., Fri., at 9 Professor HOCKING. Omitted in 1917-18 (II)

Courses A, B, and C are regularly open to Freshmen, and will not be counted toward the degree if taken after the student's third year of residence, unless two are taken, in which case the two together will count as a half-course. Courses 1 and 2 are not regularly open to Freshmen, and may be counted by Seniors.

A student who has passed satisfactorily in two of these courses is eligible for any of the higher courses "For Undergraduates and Graduates." Only *one* is necessary when it is closely related to the higher course elected (see below under the several courses).

For Undergraduates and Graduates

3¹/₂f. Philosophy of Nature

Outline of a unified conception of the world we live in. Lectures, prescribed reading, and a thesis *Half-course (first half-year)* Mon, Wed, Fri., at 10 Asst. Professor HOLT. (III)

Course 3 is open to students who have passed in any one of Courses A, B, C, 1, 2, Psychology A, 2

4²/₂f. Ethics—General Course

Lectures, reports, and prescribed reading. *Half-course (second half-year)* Tu, Th, Sat., at 10 Professor HOCKING (XI)

Course 4 is open to students who have passed in any half-course in Philosophy or Psychology.

5¹/₂f. Philosophy of the State

Political and international problems studied from the standpoints of psychology and philosophy *Half-course (first half-year)* Mon, Wed, Fri., at 9. Professor HOCKING. (II)

6a¹/₂f. Philosophy of Religion

The nature and evolution of the religious consciousness. *Half-course (first half-year)*. Mon, Wed., Fri., at 12 Professor EDWARD C MOORE (V)

6b²/₂f. Philosophy of Religion

The Truths of Religion *Half-course (second half-year)* Mon, Wed, Fri., at 12. Professor EDWARD C. MOORE (V)

***7¹/₂f. Theism**

Half-course (first half-year). Mon, Wed, Fri., at 11 Professor FENN. (IV)
Courses 6a, 6b, and 7 are also announced by the Faculty of Divinity

[*A7¹/₂f. The Philosophic Basis of the Christian Religion]

Half-course (first half-year). Tu., Th, Sat., at 11. Professor EVANS. (XII)
Omitted in 1917-18

For course in psychology of religion, see Psychology 13¹/₂f

8¹/₂f. Advanced Logic

The elements of mathematical logic, with some applications to problems of philosophy. *Half-course (first half-year)*. Tu, Th, Sat., at 10. Dr. SHEFFER. (XI)

9. Metaphysics

The fundamental problems of reality. Tu, Th., Sat., at 11. Professor HOCKING (XII)

Open to students who have passed any two half-courses in Philosophy or Psychology with a grade of B or A.

10²/₂f. Aesthetics

Lectures, prescribed reading, and recitations. *Half-course (second half-year)* Mon., Wed., Fri., at 11 Asst. Professor LANGFELD. (IV)

Course 10 is regularly open only to students who have passed in a half-course in Philosophy and a half-course in Psychology, but students specializing in Fine Arts, Music, or Literature will be admitted with a half-course in either Philosophy or Psychology.

[11¹/₂f. Philosophical Systems of India]

With special reference to Vedanta, Sankhya, and Yoga *Half-course (first half-year)* *Mon, Wed, Fri, at 2 30* (VII)

Omitted in 1917-18

Course 11 is open to students who have passed in Course A or B, or in any two of Courses C, 1, 2, Psychology A, 2.

[12. Greek Philosophy, with Especial Reference to Plato]

Lectures, prescribed reading, and theses. *Mon., Wed, Fri, at 11.* Dr. FULLER. (IV)

Omitted in 1917-18

Course 12 is open to students who have passed in Course A, or in any two of Courses B, 1, 2, Psychology A, 2

[*12a¹/₂f. Philosophy and Religion in the Greek Poets]

Lectures, prescribed reading, and reports *Half-course (first half-year).* *Mon, Wed, Fri, at 12* Dr. FULLER (V)

Omitted in 1917-18

[13²/₄f. Philosophy of the Hellenistic Period]

Lectures, prescribed reading, and reports. *Half-course (second half-year).* *Mon, Wed, Fri, at 12.* Dr. FULLER (V)

Omitted in 1917-18

Course 13 is open only to students who have passed in Course A with a grade of B or better.

13d²/₄f. Introduction to Mediaeval Jewish Philosophy, with special reference to Moslem Philosophy and to Aristotelianism

Half-course (second half-year) Three times a week Dr. WOLFSON.

This course is the same as Semitic 21

13f. Philosophical and Theological Method of Thomas Aquinas

Summa Theologica, Part I — *Summa Philosophica*. *Two hours, one afternoon or evening a week, hours to be arranged.* Dr. LA PIANA

Course 13f is a Seminary course for Seniors and advanced students

This course is the same as Theology 20c, announced by the Faculty of Divinity

[14a²/₄f. Descartes, Spinoza, and Leibnitz]

Lectures, prescribed reading, and reports. *Half-course (second half-year).* *Mon, Wed, Fri, at 11* Dr FULLER (IV)

Omitted in 1917-18

14b²/₄f. English Philosophy from Bacon to Hume

Lectures, prescribed reading, and reports. *Half-course (second half-year).* *Tu, Th., Sat, at 12.* Dr. SHEFFER (XIII)

Courses 14a and 14b are open to students who have passed with a grade of C or higher in Course A or B, or in any two of Courses C, 1, 2.

15¹hf. The Kantian Philosophy

Lectures, prescribed reading, and reports *Half-course (first half-year)*.

Mon, Wed, Fri, at 12 Dr. MASON

(v)

Course 15 is open to students who have passed in Course B, or in any two of Courses A, C, 1, 2, Psychology A.

[17a¹hf History of Christian Thought since 1632]

Half-course (first half-year) Mon, Wed, Fri, at 12. Professor EDWARD C

MOORE

(v)

Omitted in 1917-18

***17b¹hf Modern Theology, especially as influenced by Ritschl: a survey of constructive work in theology during the last thirty years**

Half-course (first half-year) Th, 2 30-4 30 Professor EDWARD C. MOORE.

(xv, xvi)

[18²hf. Present Philosophical Tendencies]

A brief survey of contemporary philosophy, with special reference to its application in religion, ethics, and politics. Lectures, required reading, and reports. *Half-course (second half-year). Tu, Th, Sat., at 10* (xi)

Omitted in 1917-18.

Course 18 presupposes Course B or its equivalent.

18c²hf. The Pragmatic Movement in Philosophy

Logical, metaphysical, and social aspects of the Pragmatic Movement

Half-course (second half-year) Two lectures per week and one section meeting

Tu, Th, Sat., at 9 Professor ADDISON W. MOORE (University of Chicago)

(x)

19²hf. History of British Ethics

British Moralists from Hobbes to Sidgwick and T. H. Green Lectures, reading in the sources, and reports *Half-course (second half-year) Mon,*

Wed, Fri, at 10. Asst Professor HOERNLÉ

(iii)

Primarily for Graduates**†22¹hf. Logical Theory**

A comparative study of selected topics from Modern Logic and Theory of Knowledge, with special attention to Bradley and Bosanquet, and references to Russell, Husserl, and Meinong *Half-course (first half-year) Tu, Th, Sat., at 9* Asst Professor HOERNLÉ.

(x)

[*23²hf Theory of Knowledge]

A logical analysis of some fundamental problems regarding the method, validity, and limits of knowledge *Half-course (second half-year). Tu, Th, Sat., at 10* Dr. SHEFFER

(xi)

Omitted in 1917-18.

Open to qualified undergraduates, Philosophy 8 is advised in preparation.

†*23a ²/_{hf} Philosophic Method*Half-course (second half-year) Tu, Th, Sat, at 10 Dr SHEFFER (XI)*†Mathematics 27 ¹/_{hf} The Fundamental Concepts of Mathematics*Half-course (first half-year). Tu, Th., at 2 30, and a third hour at the pleasure of the instructor Associate Professor HUNTINGTON (XV)*[24 ¹/_{hf}. Philosophy of Religion]*Half-course (first half-year) Th, 2 30-4 30 Professor EDWARD C MOORE
Omitted in 1917-18 (XV and XVI)*[25 ¹/_{hf} Ethical Theory — Advanced Course]*Omitted in 1917-18*†25a ¹/_{hf}. Theory of Value*Half-course (first half-year) Mon, Wed, at 3 30, and a third hour at the pleasure of the instructor Professor R. B. PERRY. (VIII)**Courses 25 and 25a presuppose Course 4 or its equivalent*[26 ¹/_{hf}. Philosophy of Aristotle]*Half-course (first half-year) Tu, Th, at 3 30, and a third hour at the pleasure of the instructor. (XVI)**Omitted in 1917-18**Course 26 presupposes Course 12 or its equivalent*

***20. Special Research in Philosophy, under the direction of an instructor of the Department, and not provided for in a regular seminary**

†20a ²/_{hf}. Seminary in Metaphysics*Subject The Metaphysics of Idealism and Neo-Realism Half-course
(second half-year) Fri, 2 30-4 30 Asst Professor HOERNLÉ*†20b ¹/_{hf} Seminary in the History of Philosophy*Subject: Post-Kantian Idealism, its origins and meaning Half-course
(first half-year). Mon, 7 45-10 P M Professor HOCKING**A reading knowledge of German is required.*†20b ²/_{hf}. Seminary in the History of Philosophy*Subject The Development of Modern Logical Theory Half-course (second half-year). Th, 7 30-9 30 P M Professor ADDISON W MOORE (University of Chicago)*

†*20c. Seminary in Logic

Subject for the year. Selected Topics from Logic, with special reference to Contemporary Problems. Tu., 2-4. Dr. SHEFFER.

[20d. Seminary in Ethics]

Subject for the year The Theory of Value *Th*, 3 30-5.30 Professor R. B. PERRY.

Omitted in 1917-18.

†20e¹/₂f. Seminary in the Theory of Knowledge

Subject Selected Topics from Epistemology, with special reference to Contemporary Tendencies *Half-course (first half-year)* *Th*, 3 30-5 30 Professor R. B. PERRY

†20h²/₂f Seminary in the Philosophy of Religion

Subjects Belief and Knowledge, Religion and Morals, Faith and Worship. *Half-course (second half-year)* *Th*, 2 30-4 30. Professor EDWARD C. MOORE

†20k¹/₂f. Seminary in Contemporary Philosophy

Subject Meinong's *Über Annahmen* *Half-course (first half-year)* *Fri*, 2.30-4 30 Asst Professor HOERNLÉ.

A reading knowledge of German is required

Attention is called to the following courses —

Anthropology 12¹/₂f. Primitive Sociology, a History of Institutions Asst Professor TOZZER.
Indic Philology 9. Philosophical Sanskrit.

Greek 8 Plato and Aristotle. Professor GULICK.

Latin 8 Latin Literature *First half-year* Cicero (Tusculan Disputations, Book I, and Scipio's Dream), Lucretius. Professor E. K. RAND.

English 11a¹/₂f. Bacon Dr BAUM.

English 11b²/₂f. Milton Dr BAUM

English 24¹/₂f. Studies in the Poets of the Romantic Period.

English 54¹/₂f. Carlyle Professor BLISS PERRY.

English 55²/₂f. Tennyson. Professor BLISS PERRY.

English 63¹/₂f. Emerson Professor BLISS PERRY.

French 9 French Literature in the Seventeenth Century Professor WRIGHT.

French 17. Literary Criticism in France Professor BABBITT

Italian 10 The Works of Dante, particularly the Vita Nuova and the Divine Comedy. Professor GRANDGENT.

Comparative Literature 8¹/₂f. Goethe's Faust, with a Study of Kindred Dramas in European Literature. Professor WALZ.

Comparative Literature 9 Rousseau and his Influence Professor BABBITT.

Comparative Literature 11 The Romantic Movement in the Nineteenth Century Professor BABBITT.

Comparative Literature 22 Literary Criticism since the Sixteenth Century. Professor BABBITT

Education A¹/₂f. Principles and Problems of Modern Education Professor HOLMES.

Education 5 Philosophy of Education. Professor HOLMES.

Education 6a¹/₂f. Educational Theory in the Early Nineteenth Century.—Froebel. Professor HOLMES.

Education 6b¹/₂f. Educational Theory in the Early Nineteenth Century. — Pestalozzi and Herbart. Professor HOLMES

History of Religions 1. The Origin and Development of Religion. Professor G. F. MOORE

*Economics 7a¹/₂f. Economic Theory

Economics 7b²/₂f. The Single Tax, Socialism, Anarchism Asst Professor ANDERSON

Economics 8 Principles of Sociology Professor CARVER.

Economics 11 Economic Theory Professors CARVER and BULLOCK

Economics 17 Economic Theory Value and Related Problems Asst Professor ANDERSON

Government 6a¹/₂f. History of Political Theories Mr LASKI

Government 6b¹/₂f. Political Theories of Modern Times

History of Science 1. History of the Physical and Biological Sciences (introductory course)

Asst Professor HENDERSON

*History of Science 2a¹/₂f. History of Physics to (and including) Newton Dr SARTON

*History of Science 2b²/₂f. History of Physics in the Eighteenth and Nineteenth Centuries Dr SARTON

*History of Science 3²/₂f. Science and Civilization in the Fifteenth and Sixteenth Centuries Dr SARTON

Chemistry 8²/₂f. Elementary Theoretical and Physical Chemistry. Professor RICHARDS and Asst Professor G S FORBES, and an assistant

Zoology 8¹/₂f. Genetics and Eugenics. Professor W E. CASTLE

All the courses offered in Psychology and in Social Ethics are regarded as allied courses for students of Philosophy. Attention is called to the list of Additional Courses given in the Division pamphlet

THE CLASSICS

GREEK

Greek 8. Plato and Aristotle

Plato (Republic); Aristotle (Ethics), Survey of Greek Philosophy from Thales to Aristotle. *Tu., Th., Sat., at 9.* Professor GULICK. (X)

In Course 8 attention will be directed mainly to the subject-matter of the authors read
Course 8 is important for candidates for Final Honors in Classics

LATIN

Latin 8. Cicero and Lucretius

First half-year: Cicero (Tusculan Disputations, Book I, and Scipio's Dream);
Lucretius *Mon., Wed., Fri., at 11.* Professor E. K. RAND. (IV)

Course 8 may be taken during the first half-year as a half-course. Course 8 is important for candidates for Final Honors

PSYCHOLOGY

Primarily for Undergraduates

A²/₂f. General Introduction to Psychology

Lectures, demonstrations, prescribed reading, and reports *Half-course (second half-year).* *Mon., Wed., Fri., at 2.30.* Asst Professor LANGFELD (VII)

This course is regularly open to Freshmen and will not be counted towards the degree if taken by Seniors, unless taken in the same year with Philosophy A, B, or C, in which case the two together will count as a half-course

2¹/₂f. Introduction to the Psychology of Human Behavior

Lectures and prescribed reading *Half-course (first half-year). Tu, Th, Sat., at 10.* Asst Professor HOLT (xi)

Course 2 is intended for beginners, but is not regularly open to Freshmen.

For Undergraduates and Graduates

5²/₂f. Advanced Psychology

Lectures, recitations, prescribed reading, and a thesis. *Half-course (second half-year) Mon, Wed, Fri, at 2 30.* Dr TROLAND (vii)

Course 5 is open to students who have passed in any one of Courses 4, 2, 10, or an equivalent

Education 7²/₂f Educational Psychology

Lectures, discussions, and class experiments. *Half-course (second half-year) Mon, Wed, Fri, at 12* Professor DEARBORN (v)

To be counted in Group III, not in Group IV, for concentration and distribution

10¹/₂f. Experimental Human Psychology (introductory laboratory course)

One lecture and four hours of laboratory work each week Collateral reading *Half-course (first half-year). Mon, Wed, Fri, 1.30-3* Asst Professor LANGFELD (vi and vii)

Course 10 is open to students who have passed in any one of Courses 4, 2, 5, or an equivalent

***10a. Experimental Human Psychology (advanced laboratory course)**

Eight hours of laboratory work each week, and a thesis. *Hours to be arranged.* Asst Professor LANGFELD

Course 10a is open only to students who have passed in Courses 5 and 10 or their equivalent. It may be taken as a half-course in the second half-year by students who have passed in Course 10 and have taken or are taking an advanced course in Psychology.

12¹/₂f The Fundamentals of Psychophysiology

Lectures, conferences, prescribed reading, and a thesis *Half-course (first half-year) Tu, Th, at 2 30, with a third hour at the pleasure of the instructor.* Dr. TROLAND (xv)

***13¹/₂f The Psychology of Religion**

Lectures, reading of sources, and papers *Half-course (first half-year) Tu., Th., Sat., at 11.* Professor EVANS. (xii)

Course 13 is the same as Theology A5, announced by the Faculty of Divinity.

[15¹/₂f. History of Psychology]

Lectures, prescribed reading, and reports. *Half-course (first half-year). Tu., Th., Sat., at 12.* Asst. Professor HOLT. (xiii)

Omitted in 1917-18

Open only to students who have taken any one of Courses 5, 8, 10, or Education 7, or who can otherwise satisfy the instructor as to their previous training.

16 ¹/₂f Social Psychology

Lectures and a thesis *Half-course (first half-year)* Tu, Th, Sat., at 12.

Asst Professor HOLT

(XIII)

Open to students who have taken Course A, or 2, or an equivalent.

Primarily for Graduates**†*23 ¹/₂f Psychopathology**

Lectures in Cambridge, and clinical work at the Psychopathic Hospital.

Half-course (first half-year) Lectures, Wed, at 2 30, clinics, Fri, 2 30-3 30

Professor SOUTHARD

(VII)

Open only to advanced and properly qualified graduate students

Students interested in the elements of psychopathology are invited to attend the noon staff meetings and certain other conferences at the Psychopathic Hospital on application to the Director, Professor SOUTHARD

***24. Research in Psychophysiological Optics**

Experimental investigation of special problems Dr TROLAND

Admission to the course and hours to be arranged with the instructor.

***20. Special Research in Psychology**, under the direction of an instructor of the Department, and not provided for in a regular seminary or laboratory course

†20f ¹/₂f. Seminary in Psychology

Subject for the year Experimental Methods. *Half-course (first half-year).*

Fri, 7 45-9 45 P M Asst Professor LANGFELD

This seminary is intended primarily for students doing research in the laboratory.

†20g ²/₂f Seminary in Psychopathology

Meetings weekly, either in Cambridge or at the Psychopathic Hospital,

Boston. *Half-course (second half-year)* Hours to be arranged. Professor

SOUTHARD

Course 23 or some similar preparation is required for admission

20a. Psychological Laboratory

Experimental investigations in human psychology, including problems of applied psychology. Asst. Professor LANGFELD.

20b ¹/₂f Psychological Laboratory

Experimental investigations in physiological psychology. *Half-course (first half-year).* Asst Professor HOLT.

Open to students who have passed in Courses 5 and 10, or their equivalent

Education 20c ²/₂f. Problems in Mental and Physical Development

Studies in child development, with special reference to cases of deficient, retarded, and psychopathic children in school. *Half-course (second half-year)* Tu., 7 30 to 9 30 P M. Professor DEARBORN.

Education 20d ²/₄f. Research in Educational Psychology

Experimental investigations in the Psychological Laboratory and in schools. *Half-course (second half-year). Hours to be arranged* Professor DEARBORN.

The following courses, or their equivalent, are recommended as a useful preparation for students intending to enter the Psychological Laboratory Physics *B* and *C*, Physiology (First-Year Medical course), Zoology 1 and 8, Mathematics *F*, Chemistry *B* and 2 A reading knowledge of German and French is desirable

Attention is called to —

Mathematics 9 ²/₄f. Probability Asst Professor COOLIDGE.

Chemistry *A* Elementary Chemistry. Professor KOHLER and assistants.

Chemistry *B* ¹/₄f Inorganic Chemistry Dr G A HILL and assistants.

Chemistry 15 ²/₄f General Biological Chemistry. Asst Professor HENDERSON.

Physics *C*. Experimental Physics. — Mechanics, Sound, Heat, Light, Magnetism, and Electricity Professor SABINE and assistants.

Physics 1. General Descriptive Physics. Professor HALL.

Zoology 1 ¹/₄f Zoology. Professor PARKER and assistants.

Zoology 3 ²/₄f Comparative Anatomy of Vertebrates Asst Professor H. W. RAND.

Zoology 8 ¹/₄f Genetics and Eugenics. Professor CASTLE

*Zoology 7a ²/₄f Morphology and Classification of Insects Professor WHEELER and Asst. Professor BRUES.

*Zoology 7b ²/₄f Habits and Distribution of Insects. Professor WHEELER and Asst Professor BRUES

*Zoology 14a ¹/₄f. The Structure and Functions of Sense Organs Professor PARKER.

*Zoology 14b ¹/₄f The Structure and Functions of Central Nervous Organs. Professor PARKER

Neuropathology. Given in the Medical School as a part of the programme for the second year Professor SOUTHARD and assistants

Botany 1 ²/₄f Botany. Professor OSTERHOUT and assistants.

Botany 11 ²/₄f. The Principles of Genetics Professor EAST.

Anthropology 1. General Anthropology. Dr. HOOTON

Anthropology 2. Physical Anthropology. Dr. HOOTON

The courses in Philosophy, Social Ethics, and Education are regarded as allied courses for students of Psychology Attention is called to the list of Additional Courses given in the Division pamphlet.

SOCIAL ETHICS**For Undergraduates and Graduates****1. Social Problems and Social Policy**

Principles and methods of social amelioration. Lectures, prescribed reading, and thesis. *Tu, Th., Sat., at 10.* Asst. Professor FOERSTER and Asst Professor JAMES FORD, assisted by Mr. SNIDER (XI)

The following courses are planned for students who take or have taken Course 1 or who are otherwise qualified:—

2^½f. Poor Relief

Lectures, prescribed reading and field work *Half-course (second half-year).*
Mon., Wed., at 1 30, and a third hour by special appointment. Asst Professor FORD (vi)

[*3^½f. Criminology and Penology]

Lectures, prescribed reading, and reports. *Half-course (first half-year).*
Omitted in 1917-18

4^½f. American Population Problems: Immigration and the Negro

Lectures, prescribed reading, and a research. *Half-course (first half-year).*
Mon., Wed., Fri., at 11. Asst. Professor FOERSTER. (iv)

5^½f. The Housing Problem

Lectures, prescribed reading, and research *Half-course (first half-year).*
Mon., Wed., Fri., at 10. Asst. Professor FORD. (iii)

6^½f. Unemployment and Related Problems of the Working Classes, with Special Consideration of Social Insurance

Lectures and prescribed reading. *Half-course (second half-year).* *Mon., Wed., Fri., at 11.* Asst. Professor FOERSTER. (iv)

7^½f. Rural Social Development

Lectures, prescribed reading, and thesis. *Half-course (second half-year).*
Mon., Wed., Fri., at 10. Asst. Professor FORD. (iii)

[8^½f. Child-Helping Agencies]

Lectures, prescribed reading, and field work. *Half-course (first half-year).*
Tu., Th., at 2 30, and a conference hour by appointment. (xv)
Omitted in 1917-18

Primarily for Graduates

15^½f. Recent Theories of Social Reform

Half-course (first half-year). *Fri., 7.30-9.30 P M.* Asst Professor FOERSTER.
Course 15 is conducted as a course of research by the seminary method

COURSES OF RESEARCH

20. Special Researches

Asst. Professor FOERSTER and Asst. Professor FORD will conduct researches of competent students in special fields of Social Ethics.

[20a. Seminary. Standards of living and standards of earning]

Two consecutive afternoon or evening hours a week, to be arranged. Asst. Professor FOERSTER
Omitted in 1917-18

‡20b. Seminary. The Alcohol Problem*Mon, 7 30-9.30 P M* Asst Professor FORD

Attention is called to the following courses:—

- Anthropology 12²*hf* Primitive Sociology, a History of Institutions. Asst Professor TOZZER
 Economics 6a¹*hf* Trade-Unionism and Allied Problems. Professor RIPLEY
 *Economics 7a¹*hf* Economic Theory
 Economics 7b²*hf* The Single Tax, Socialism, Anarchism. Asst Professor ANDERSON
 Economics 8. Principles of Sociology Professor CARVER.
 Economics 9¹*hf* Economics of Agriculture Professor CARVER.
 Economics 11 Economic Theory Professors CARVER and BULLOCK
 Economics 12¹*hf*. Distribution of Wealth Professor CARVER.
 Economics 13 Statistics Theory, Method, and Practice Asst. Professor DAY.
 Economics 14 History and Literature of Economics to the year 1848. Professor BULLOCK.
 Economics 18a¹*hf* Analytical Sociology Asst. Professor ANDERSON.
 Economics 18b²*hf*. Historical Sociology Asst Professor ANDERSON.
 Economics 32²*hf* Economics of Agriculture Professor CARVER.
 Economics 34 Problems of Labor. Professor RIPLEY.
 Education 7²*hf*. Educational Psychology Professor DEARBORN.
 Education 12a¹*hf* Play in Education Asst. Professor G E JOHNSON and Mr. JOSEPH LEE.
 Education 12b²*hf* The Administration and Conduct of Play and Recreation in School Systems — The Problem of Athletics in School and College Asst. Professor G E JOHNSON and Mr JOSEPH LEE
 Education 14²*hf* Child Development Asst Professor G E JOHNSON.
 Education 18a Vocational Guidance Mr R W KELLY and Mr F J ALLEN
 Education 20c²*hf*. Problems in Mental and Physical Development Professor DEARBORN.
 Education 20h Play and Recreation Asst Professor G E JOHNSON and Mr JOSEPH LEE
 Government 6a¹*hf* History of Political Theories Mr LASKI
 Government 6b¹*hf* Political Theories of Modern Times
 Government 31 Municipal Administration Professor WHIPPLE
 Government 17 Municipal Government Professor MUNRO and Professor WHIPPLE.
 Landscape Architecture 10 City Planning. Professor PRAY
 Philosophy 2²*hf* Introduction to Philosophy through the Problems of Conduct and Religion. Professor HOCKING
 Philosophy 4²*hf* Ethics — General Course Professor HOCKING
 Philosophy 19²*hf* History of British Ethics Asst Professor HOERNLE.
 Psychology 23¹*hf* Psychopathology Professor SOUTHARD
 Zoölogy 8¹*hf* Genetics and Eugenics Professor CASTLE
 Preventive Medicine and Hygiene 1 Elementary Course. Professor ROSENAU.

Also the following courses in the Graduate Schools —

- Industrial Management — The Taylor System of Management (Graduate School of Business Administration)
 Penal Legislation and Administration (Law School) Professor FRANKFURTER
 Social Problems in the Light of Christian Ethics (Andover Theological Seminary) Professor EVANS.
 The Minister's Relation to Social Agencies (Divinity School) Asst Professor FOOTE
 Philanthropy in the Nineteenth Century (Divinity School) Asst Professor FOOTE

MATHEMATICS

Primarily for Undergraduates

A. Trigonometry, Analytic Geometry, Introduction to the Calculus

Section I, *Tu, Th, Sat, at 10* Asst Professor BIRKHOFF, Dr G. M. GREEN, Mr HOBBS, and Mr. WALSH Section II, *Mon, Wed, Fri, at 11* Asst Professor BIRKHOFF Section III, *Mon, Wed, Fri, 11-1* Professor BÔCHER, assisted by Mr KEFFER (XI or IV)

Section III will not cover more ground or take more of the student's time than Sections I and II At least three hours a week of the class-room exercises in Section III will be devoted to problem-solving by the students under the supervision of the instructors, reducing by just so much the students' home work
See note under Course C

C. Analytic Geometry; Introduction to the Calculus

Section I, *Tu, Th, Sat, at 10* Asst Professors COOLIDGE and DUNHAM JACKSON, Dr L. R. FORD, and Mr C. W. MILLER Section II, *Tu, Th, Sat, at 11* Dr A. L. MILLER (XI or XII)

Course A or Course C should be a student's first choice in mathematics Course C is intended for those who have, Course A for those who have not, presented Logarithms and Trigonometry for admission Except for this, no preparation is necessary for either course beyond Elementary Algebra and Plane Geometry No student is ordinarily admitted to any of the numbered courses until he has passed in Course A or Course C

A student who has presented Logarithms and Trigonometry for admission* or has taken Course K can count Course A as a half-course only, and no student can count more than one of Courses A and C.

D¹hf. Algebra

Half-course (second half-year). Mon., Wed, Fri, at 2 30. Asst Professor DUNHAM JACKSON (VII)

Course D is intended for students who desire only a half-course in mathematics, or for students who wish to supplement Course A or Course C by an additional half-course.

It is not open to students who have presented Advanced Algebra for admission,* or to students conditioned in Elementary Algebra, unless they have had no opportunity of removing the condition

E¹hf. Solid Geometry

Half-course (first half-year) Mon, Wed., Fri, at 2 30 Dr G. M. GREEN and Mr KEFFER (VII)

Course E is intended for students who desire only a half-course in mathematics; or for students who wish to supplement Course A or Course C by an additional half-course.

It is not open to students who have presented Solid Geometry for admission,* or to students conditioned in Plane Geometry, unless they have had no opportunity of removing the condition.

K¹hf. Logarithms; Plane and Spherical Trigonometry

Half-course (first half-year) Mon, Wed, Fri, at 9 Associate Professor BOUTON. (II)

Course K is intended for students who desire only a half-course in mathematics.

It is not open to students who have presented Logarithms and Trigonometry for admission,* or who take or have taken Course A, Course C, or any numbered course.

* A student who is admitted to College under the New Plan is considered to have presented for admission every subject in which he has had substantial instruction in school

G¹/₂f. Descriptive Geometry

Half-course (first half-year). Mon., Wed., Fri., at 1 30. Associate Professor BOUTON. (VI)

A good knowledge of Solid Geometry is required of students taking Course G. Students must provide themselves with the simpler drawing instruments, and will be expected to make accurate constructions of problems discussed in the course
Course G cannot be taken by a student who takes or has taken Engineering Sciences 8

2. Differential and Integral Calculus; Analytic Geometry

Section I, *Mon., Wed., Fri., at 11* Professor OSGOOD Section II, *Mon., Wed., Fri., 9-11* Associate Professor HUNTINGTON, assisted by Dr L R FORD and Mr TUCKER (IV or II)

Course 2 is open to those students who have taken Course A in 1911-12 or later, or Course C in 1913-14 or later. Others wishing to take the course should consult the instructor before the summer vacation

Section II will not cover more ground or take more of the students' time than Section I. At least three hours a week of the class-room exercises in Section II will be devoted to problem-solving by the students under the supervision of the instructors, reducing by just so much the students' home work

4. The Elements of Mechanics

Mon., Wed., Fri., at 10 Asst Professor DUNHAM JACKSON (III)

Course 4 is intended for students who are taking or have taken Course 2. It cannot be taken by a student who takes or has taken Engineering Sciences 5 or 5a, or Engineering 5e

For Undergraduates and Graduates**3. Introduction to Modern Geometry and Modern Algebra**

Tu., Th., Sat., at 10. Professor BÖCHER. (XI)

Course 3 is intended for students who have taken Course A or Course C.

5a¹/₂f. Differential and Integral Calculus (Advanced Course, Part I)

Half-course (first half-year). Mon., Wed., Fri., at 12. Asst. Professor DUNHAM JACKSON. (V)

Course 5a is intended for students who have taken Course 2

5b²/₂f. Differential and Integral Calculus (Advanced Course, Part II)

Half-course (second half-year) Mon., Wed., Fri., at 12. Professor OSGOOD

Course 5b is intended for students who have taken Course 5a (V)

1¹/₂f. The Subject-Matter of Elementary Mathematics

Half-course (first half-year). Tu., Th., Sat., at 9. Asst. Professor COOLIDGE. (X)

Open to those students only who have taken Course 2, or have had equivalent preparation in the Differential and Integral Calculus

[9²hf. Probability]

Half-course (second half-year) Tu, Th, Sat., at 9 Asst Professor COOLIDGE (x)

Omitted in 1917-18

Open to those students only who have taken Course 2, or have had equivalent preparation in the Differential and Integral Calculus

[21²hf Interpolation and Approximation]

Half-course (second half-year) Mon, Wed, Fri., at 3 30. Professor BÔCHER

Omitted in 1917-18

(VIII)

Course 21 is intended for students who have taken Course 5a

18²hf. The Elementary Theory of Differential Equations

Half-course (second half-year). Tu, Th, Sat., at 10. Associate Professor

BOULTON

(XI)

Course 18 is intended for students who have taken Course 5a.

[6¹hf. Vector Analysis]

Half-course (first half-year) Tu, Th, Sat., at 11. Asst Professor BIRK-

HOFF.

(XII)

Omitted in 1917-18.

[8. Dynamics (second course)]

Mon, Wed, Fri., at 9 Asst Professor H N DAVIS.

(II)

Omitted in 1917-18

[32a²hf. Introduction to Celestial Mechanics]

Half-course (second half-year) Mon., Wed., Fri., at 12.

(V)

Omitted in 1917-18

Course 32a is intended for students who have taken Courses 4, 5a, and 5b.

Primarily for Graduates

‡12¹hf. Infinite Series and Products

Half-course (first half-year). Mon, Wed, Fri., at 12 Professor OSGOOD (v)

‡13. The Theory of Functions (introductory course)

Mon, Wed., Fri., at 10. Dr G. M. GREEN.

(III)

‡14a²hf. Algebra

The properties of polynomials, invariants *Half-course (second half-year)*

Mon, Wed, Fri., at 3 30 Professor BÔCHER.

(VIII)

Courses 14a and 14b are usually given in alternate years.

[14b²hf Algebra]

Galois's Theory of Equations. *Half-course (second half-year).* Tu., Th.,

Sat., at 12. Professor OSGOOD.

(XIII)

Omitted in 1917-18.

[24a ¹/₂f. The Theory of Numbers]

Half-course (first half-year) Mon, Wed, Fri, at 3 30. (VIII)

Omitted in 1917-18

[24b ²/₂f. Algebraic Numbers]

Half-course (second half-year) Mon, Wed., Fri., at 1 30. (VI)

Omitted in 1917-18

‡22. Differential Geometry of Curves and Surfaces

Tu., Th, Sat, at 12 Dr. G M GREFF (XIII)

This course may be taken as a half-course in the second half-year by students who have taken Course 22 or 22a in a previous year.

[23. The Geometry of the Circle]

Mon., Wed, Fri., at 9. Asst. Professor COOLIDGE (II)

Omitted in 1917-18

‡7 ¹/₂f. Algebraic Plane Curves

Half-course (first half-year) Mon, Wed, Fri, at 9. Asst Professor COOLIDGE (II)

‡27 ¹/₂f. The Fundamental Concepts of Mathematics

Half-course (first half-year) Tu, Th., at 2.30, and a third hour at the pleasure of the instructor. Associate Professor HUNTINGTON (XV)

‡10a ¹/₂f. Introduction to the Theory of Potential Functions and Laplace's Equation

Half-course (first half-year). Mon, Wed, Fri, at 11 Asst. Professor DUNHAM JACKSON. (IV)

‡10b ²/₂f. The Analytical Theory of Heat and Problems in Elastic Vibrations

Fourier's Series, Legendre's Polynomials, Bessel's Functions *Half-course (second half-year) Tu, Th, Sat, at 11. Asst Professor BIRKHOFF.* (XII)

‡15. Differential Equations, with an Introduction to Lie's Theory of Continuous Groups

Mon., Wed., Fri., at 2 30. Associate Professor BOUTON. (VII)

[16a ¹/₂f. The Calculus of Variations]

Half-course (first half-year).

Omitted in 1917-18.

‡17. The Theory of Functions (second course)

The Theta Theorem. *Tu, Th., Sat, at 11. Professor OSGOOD.* (XII)

Course 17 is open regularly to students who have taken Course 13. Other students wishing to take the course are requested to see the instructor at the beginning of the academic year.

[19a ¹/₂f. Linear Differential Equations. Complex Variables]

Half-course (first half-year). Mon, Wed, Fri., at 3 30. Professor BÔCHER.
Omitted in 1917-18 (VIII)

[25. Geometrical Transformations]

With special reference to the work of Sophus Lie *Mon, Wed., Fri., at 2 30. Associate Professor BOUTON.* (VII)

Omitted in 1917-18

Course 25 is intended for students who have taken Courses 3, 5a and 5b, or their equivalents. It may be taken by students who have not taken Course 15.

[31 ²/₂f Definite Integrals and Fourier's Series]

Half-course (second half-year) Mon, Wed, Fri., at 3 30. Professor BÔCHER.
Omitted in 1917-18 (VIII)

[32. The Problem of Three Bodies]

Mon, Wed, Fri., at 11. Asst. Professor BIRKHOFF. (IV)
Omitted in 1917-18.

[35 ²/₂f Lebesgue Integrals]

Half-course (second half-year). Mon, Wed, Fri., at 11. Asst. Professor DUNHAM JACKSON (IV)
Omitted in 1917-18.

‡38 ¹/₂f. Integral Equations

Half-course (first half-year). Mon, Wed, Fri., at 10. Asst. Professor BIRKHOFF. (III)

[39 ²/₂f. Developments in Series]

Theory of the expansion of arbitrary functions according to solutions of an ordinary linear differential equation *Half-course (second half-year). Mon, Wed, Fri., at 11. Asst. Professor DUNHAM JACKSON.* (IV)
Omitted in 1917-18

COURSES OF RESEARCH

The work of the following courses consists of investigation and reading, to be carried on under the guidance of the instructors.

20a. Topics in the Theory of Functions

Professor OSGOOD.

20b. The Real Solutions of Linear Differential Equations

Professor BÔCHER

20c. Topics in the Theory of Point-Transformations

Associate Professor BOUTON.

20d. Topics in Geometry

Asst. Professor COOLIDGE.

20e. Topics in the Theory of Differential Equations

Asst. Professor BIRKHOFF.

20f. Topics in the Theory of Functions of a Real Variable

Asst. Professor DUNHAM JACKSON.

20g. Topics in Differential Geometry

Dr. G. M. GREEN.

Attention is called to the courses in Astronomy, Engineering, and Physics

COURSES OF INSTRUCTION

DEPARTMENT OF MILITARY SCIENCE AND TACTICS*

Military instruction, under officers of the Regular Army of the United States and of the French Army, is given at Harvard University. An Infantry Unit of the Senior division, Reserve Officers' Training Corps, has been established at the University.

The Reserve Officers' Training Corps, created by Congress June 3, 1916 (National Defense Act), consists of so-called units at various educational institutions. The purpose is to provide military training and theoretical instruction for college students, whereby these, upon graduation, may become Reserve Officers of the United States Army, that is, members of the Officers' Reserve Corps.

1 *hf* Military Science and Tactics

Theoretical and practical military training. *Half-course (throughout the year)* Two hours of lectures and one hour of section work, at convenience of instructors and students, and at least two hours of practical work.

Open to, and may be counted for a degree by, all physically fit Freshmen. For the academic year 1917-18 this course will also be open to all physically fit Sophomores, Juniors, and Seniors.

Section Instruction (one hour a week) — Infantry Drill Regulations (new U. S. regulations), Field Service Regulations (new U. S. regulations), and Small Arms Firing Manual. Major FLYNN, Professor of Military Science and Tactics, and assistants.

Lectures (two hours a week) —

Lectures on Armaments, Formations, and Tactics of the Present War. Lieutenant MORIZE.

Four lectures on First Aid to the Wounded and three lectures on Hygiene. Captain E. A. DARLING, M. R. C.

Three lectures on Military Organization and Discipline. Major FLYNN.

Map reading and Military Topography. Professor WOLFF and assistants.
Company Administration. Major FLYNN and Captain W. M. COLE, Quartermaster, U. S. R.

Practical Work (two hours a week) —

Drill, close and extended order (new U. S. regulations), including the School of the Company, also including sighting and aiming drills, bayonet practice, gallery practice, ceremonies, and entrenchments, etc.

Physical training, Major Koehler's Manual.

Signalling, — wig-wag, semaphore, and International Morse codes. Major FLYNN and others.

2. Military Science and Tactics

Theoretical and practical military training. *Two hours of lectures and three hours of practical training, at convenience of instructors and students.*

Open to, and may be counted for a degree by, all who completed Military Science and Tactics 1 the preceding year.

* Courses in Military Science and Tactics do not count for concentration or distribution.

Map reading and Military Topography. Professor WOLFF and assistants
Reading of French maps Lieutenant MORIZE

Sand table work, entrenchments, etc., to scale Major FLYNN and Lieutenant MORIZE

Company Administration Major FLYNN and Captain W M COLE,
Quartermaster, U S R

Military History, the Military Policy of the United States Asst. Professor R M JOHNSTON.

History of the Military Development in the Present War. Lieutenant MORIZE

Minor Tactics, French and new United States Major FLYNN and Lieutenant MORIZE

Field Orders (as far as possible in practical work), and Minor Manoeuvres.
Major FLYNN and Lieutenant MORIZE.

Railroad Transportation Professor CUNNINGHAM

[3 hf. Military Science and Tactics]

Theoretical and practical military training *Half-course (throughout the year). Tu, Th., at 1 30, and a third hour at convenience of instructors and students.* (XIV)

Omitted in 1917-18

Open to, and may be counted for a degree by, all who completed Military Science and Tactics 2 the preceding year

[4 hf. Military Science and Tactics]

Theoretical and practical military training *Half-course (throughout the year) Tu, Th., at 1 30, and a third hour at convenience of instructors and students* (XIV)

Omitted in 1917-18

Open to, and may be counted for a degree by, all who completed Military Science and Tactics 3 the preceding year

***5 hf. Regimental Supply Course**

Half-course Forty-five exercises, beginning December 10th and ending March 30th Mon, Wed., Sat., at 7 30. Captain W M. COLE, Quartermaster, U S R

Open to properly qualified students

History 55. Introduction to Military History and Theory

Tu., Th., at 2.30. Asst. Professor JOHNSTON.

(XV)

[*Government 35 ¹/₂f. Military Administration — Departments, Supply, Railroads, Sanitation]

Half-course (second half-year). Mon, Wed., and (at the pleasure of the instructor) Fri., at 1 30. Professors HART, G. C. WHIPPLE, COLE, and CUNNINGHAM (VI)

Omitted in 1917-18

[Engineering Sciences 4a ¹/₂f Surveying]

Use of instruments, plane and topographic surveying, levelling, map drawing and field practice *Half-course Five weeks, beginning on the Saturday following Commencement Day* Professor HUGHES and assistants.

Omitted in 1917-18

[Engineering Sciences 4d. Railroad Surveying]

Railroad curves and location, field and office practice *Six weeks, following Course 4a.* Professor HUGHES and assistants

Omitted in 1917-18

Geography 1 ¹/₂f Physiography (introductory course)

Lectures, laboratory work, and field excursions. *Half-course (first half-year). Mon., Wed, Fri., at 10* Laboratory work in sections as follows: I, *Mon., 1 30-3.30*, II, *Tu., 9-11*; III, *Tu., 1 30-3 30*, IV, *Wed, 1 30-3 30*; V, *Th., 9-11*; or VI, *Th, 1 30-3 30* Four afternoon field trips or the equivalent in longer field excursions, during October and November, will be required Professor ATWOOD and assistants. (III)

Attention is called to the following courses —

Government 4 Elements of International Law Professor G G WILSON

Spanish 1 Spanish Grammar, Reading, and Composition Asst Professor WHITEM, and Messrs LINCOLN, RIVERA, and others

COURSES FOR MEN IN NAVAL RESERVE

The following courses are limited to men in the Naval Reserve on leave of absence at the University who expect to offer themselves for the Ensign's examination

1 Mathematics

First half-year Plane Trigonometry, Solid Geometry *Second half-year* Spherical Trigonometry, Analytic Geometry of Two and Three Dimensions *Mon, Wed, Fri, at 10* Asst Professors J. L. COOLIDGE and BOUTON (III)
Course 1 will not count towards a degree for men who have passed in Mathematics A or C, it will count for a half-course only for men who have passed Plane Trigonometry and Solid Geometry

2. Navigation and Nautical Astronomy

First half-year Theory and use of nautical instruments, piloting, dead reckoning, sailings *Second half-year* Nautical Astronomy, theory and practice in the use of the Sextant in the determination of the position of a ship at sea Sumner Method and Method of St Hilaire *Tu, Th, Sat, at 9, and additional hours for laboratory work* Dr STETSON. (X)
Course 2 will count towards a degree only to the extent of a half-course for men who have passed in Astronomy 2a

3a ¹/₂f. Marine Meteorology

Lectures and laboratory work *Half-course (first half-year)* *Tu., Th, Sat., at 10, laboratory work, two hours a week* Professor WARD (XI)

3b ²/₃f. Naval Principles and Practice

Naval regulations, military and international law, and naval history.
Half-course (second half-year). *Tu, Th, Sat, at 10* Lieutenant Commander NOWELL. (XI)

4. Seamanship, Ordnance, and Gunnery. Drill

Mon., Wed., Fri, at 9, with additional hours for drill, and instruction at the Navy Yard *First half-year* Lieutenant E F GREENE and Ensign W L BARNARD *Second half-year.* Lieutenant Commander NOWELL (II)

Attention is called to the following courses not restricted to men in the Naval Reserve —
Mathematics K ¹/₂f Logarithms, Plane and Spherical Trigonometry Asst Professor BOUTON.

Astronomy 1 Descriptive Astronomy Dr STETSON and Mr C E KELLEY.

Astronomy 2a Nautical Astronomy Dr STETSON

Meteorology 1 ²/₃f Elementary Meteorology — The Weather and Weather Forecasting. Professor WARD.

Courses in Military Science

COURSES OF INSTRUCTION

COURSES IN MEDICAL SCIENCES

These courses are given in the Medical School and are open to students in the Graduate School of Arts and Sciences

Anatomy

1¹. Elementary Human Anatomy

Mornings (Sept 29–Nov. 30) and afternoons (Dec. 1–Jan. 26), five days a week, first half-year Associate Professor JOHN WARREN, Dr. BEGG, and assistants

This is the regular course for first-year students of Medicine For a full description, see the Catalogue of the Medical School

2¹. Elementary Histology and Embryology

Afternoons (Sept 29–Nov 30) and mornings (Dec. 1–Jan. 26), five days a week, first half-year Associate Professors BREMER and LEWIS and assistants.

This is the regular course for first-year students of Medicine For a full description, see the Catalogue of the Medical School

3¹. Embryology of Vertebrates

Full course, second half-year Hours to be arranged with the instructor. Laboratory work and conferences Associate Professor LEWIS.

An elementary knowledge of embryology, such as may be obtained from Course 2, is required for admission, and Zoology 5 is recommended

[4¹. Advanced Histology]

*Full course, second half-year. * Hours to be arranged with the instructor.* Associate Professor BREMER.

Omitted in 1917–18

5². Advanced Human Anatomy

Second half-year. Hours to be arranged with the instructors Associate Professor JOHN WARREN and Asst Professor CHEEVER

20. Research

Associate Professors BREMER, LEWIS, and WARREN

Opportunities for research are offered in the field of morphology, especially vertebrate morphology, including anatomy, histology, and embryology.

Physiology

10. Elementary Course

Daily, 9–1, from November 1 to January 31, and from February 1 to May 31. Professor CANNON, Asst Professor STILES, Dr DRINKER, and assistants

12. Pre-research Training

Professor CANNON, Dr. A. FORBES, and Dr. DRINKER

20. Research, Thesis, and Examination

Professor CANNON, Dr. A. FORBES, and Dr. DRINKER

Comparative Physiology

Students in Comparative Physiology may undertake research and thesis work by arrangement with Professor W. T. PORTER.

Biochemistry**1. General Biological Chemistry**

Mon., Tu., Wed., Th., Fri., 2-5 30 P M, from February 1 to May 31. Professor FOLIN and Asst Professor BLOOR.

5. Advanced Biological Chemistry

Professor FOLIN and Asst. Professor BLOOR.

The work of this course will occupy the student's entire time for about two months. Chemistry 3, 4, and 5 are required as prerequisites

20. Research in Biological Chemistry

Professor FOLIN and Asst Professors HENDERSON and BLOOR.

Pathology**1. General Pathology**

Daily, 9-1, October and November. Lectures, laboratory work, demonstrations, and conferences. Professor COUNCILMAN, Associate Professors MALORY and WOLBACH, Asst. Professor WRIGHT, and several assistants

2. General and Special Pathology

Daily, 9-1, December and January. Lectures, laboratory work, demonstrations, and conferences. Professor COUNCILMAN, Associate Professors MALORY and WOLBACH, Asst Professor WRIGHT, and several assistants

3. Research**Comparative Pathology****1. Protozoology**

Mon., Wed., Fri., 9-12.30, October, November, December. Lectures, laboratory work, demonstrations, and conferences. Professor TYZZER.

2. Helminthology

Mon., Wed., Fri., 11-1; Tu., Th., 11.30-1, January. Daily, 11-1, February. Lectures, laboratory work, demonstrations, and conferences. Professor TYZZER and an assistant.

Pharmacology**1². General Pharmacology**

Second half-year Lectures and demonstrations, *Mon, Wed, 1-2, Fri., 4-5* Laboratory work, *Mon, Wed, 3-5* Professor HUNT and Asst. Professor HALE

This is the regular course for second-year students of Medicine For a full description, see the Catalogue of the Medical School

2. Special Pharmacology

October, every morning or every afternoon. Professor HUNT and Asst. Professor HALE

Neuropathology**1. Elementary Course**

(a) *Forty-five hours, afternoons, in December, and* (b) *special work, eighty hours.* Professor SOUTHARD and assistants.

2. Special work

One hundred and twenty-five hours for properly qualified students. Professor SOUTHARD and assistants

3. Research**Bacteriology****1. Elementary Bacteriology**

Lectures and laboratory work. *Daily, except Sat., 2-5 30. October and November.* Professor ERNST, Associate Professor WOLBACH, and several assistants.

20. Research

Professor ERNST and Associate Professor WOLBACH.

Preventive Medicine and Hygiene**1. Elementary Course**

Lectures, demonstrations, and sanitary survey. *Mon., 2-5; Wed., -5 February to June.* Professor ROSENAU and assistants.

2. Laboratory Course

Daily except Sat., 2-5. March Professor ROSENAU and assistants.

3. Research and Thesis

Professor ROSENAU.

HOURS AND EXAMINATION GROUPS

COURSES REGULARLY OPEN TO FRESHMEN ARE

Group	Monday, Wednesday, and Friday, at							
	7.45	9	10	11	12	1.30	2.30	3.30
Group	I	II	III	IV	V	VI	VII	VIII
Semitic		44, 9	15, E1	12, 13	17			15
Egyptology								
Indic Phil							1a, 1b	3, 5
Greek			B1		A		E	
Latin			1, 6	B1, II, 8		A	E	
Classical Phil		49, 59	44	24	23, 76		61	
Class Ath								
English		1, 18, 44	2	3a, 7b, 11b, 37, 69	11a, 52, 72		4, 16	67
German		1a1, 21	B, 1a11, III, 2b, 12a, 15	1b, 3, 5	2a, 26a, 26b	F1, H1, 18	F11, H11	A*
French			9, 12	8	17	3, 16	4, 5	A*
Rom L Lit	Span 1*	Ital 2		Span 5				
Slavic						4, 5		
Comp It					17		5	
Comp Lit								
Fine Art		1f, 2c, 3b, 2c		1c, 1d	3a	2g, 10b	2g, 10b	2g, 10b
Music		2	6		3			
Hist of art								
Physics		6a, 6b			B			
Eng. Sciences				7b	8	6a, 6b		
Astronomy				1	2b		7	
Chemistry		2, 17	11	A, 3	6		4	9, 10
Botany		2	7		14	8		
Zoology		8	4, 5b		17			14a
Palaontology					3	2		
Hygiene & Sanitation		2						
Geology		8, 16		17	4, 5, 10			
Geography			1	6				
Meteorology			1	3				
Mineralogy			2					
History		1, 3a, 3b	17a, 17b	9, 24a, 24b, 32a, 32b	2a, 2b, 23b, 30a, 30b, 33	27	27, 28	27, 44
Hist. of Eng.					7		1	4
Government		6a, 25	5a, 5b, 8	26, 31				
Economics		5a, 5b, 8, 13	7b, 9, 31	1a, 1b, 14			11	
Education			A, B		1, 7		9	
Anthropol.		1	5	7, 11	13			8
Philosophy		1, 5	A, B, 3, 19	7, 10	6a, 6b, 1b		C	25a
Psychology						10	A, 5, 10, 23	
Social Ethics			5, 7	4, 6		2		
Mathematics		K, 211, 7	4, 13, 38	A11, III, 21, 10a	5a, 5b, 12	G	D, E, 15	14a
Naval Reserve Courses		4	1					

* For Examinations.

OF THE SEVERAL COURSES
PRINTED IN HEAVY-FACED TYPE

	Tuesday, Thursday, and Saturday, at							
	7.45	9	10	11	12	1.30	2.30	3.30
GROUP	IX	X	XI	XII	XIII	XIV	XV	XVI
Semitic		22					A3, 2	14
Egyptology								
Indic Philol								
Greek		8	2, 6	BII	G, 12		3, 7	
Latin					BIII, 10		3, 7	
Classical Phil				1a, 1b				
Class Arch								
English		D, 39, 59, 64	D, 28, 33	41	E, 35a, 35b	D, 5, 6	12, 22, 31	A*
German		1c, 4, 6, 7	28	8				13
French			6	1I, II, 13, 15	III, IV, v		2	
Rom L. & Lit		Ital 3 Span 2 R Phil 5	R Phil 3	Ital 1, 10 Span 7, 8				
Slavic		1a			1b			
Comp Lit		12, 30			8, 11, 28			
Comp Phil								
Fine Arts		2a, 2b, 2f, 5m, 10a	2a, 2b, 2f, 5h, 10a	2f, 10a	4a, 5a, 10a		1a	5e
Music		1a	4	5		1	1	
Hist of Sci		1	3		2a, 2b			
Physics		4b, 4c	4a		C, 1, 3			
Eng Sciences		5a, 7a				3	3b	
Astronomy				2a				
Chemistry		5		B, 8, 15, 23	7	22		
Botany		3, 5a	1					
Zoology		3	1, 12					
Palaeontology			1					
Hygiene & Sanitation								
Geology					14			
Geography								
Meteorology								
Mineralogy				12				*
History		6, 12a, 12b, 36, 42	28	7, 14, 56	43		21, 22, 55	21, 25, 46
Hist of Relig								
Government		1	14	4	13, 17	23		
Economics		2a, 2b, 32	6a, 17	A, 4a, 4b		3, 34	18a, 18b	
Education			20b, 20h	12a			3c	3b
Anthropol				2	2			
Philosophy		18c, 22	4, 8, 23a	9	14b		17b	17b
Psychology			2	13	16		12	
Social Ethics			1					
Mathematics		1	A1, C1, 3, 18	CII, 10b, 17	22		27	
Naval Re-serve Courses		2	3a, 3b					

* For Examinations.

THE APPOINTMENT OFFICE

The University Appointment Office, directed by the Dean of the Faculty and the Chairmen of Divisions and Departments, or their representatives, recommends men for teaching, research, social service or other educational work. Inquiries should be addressed to the Dean of the Faculty of Arts and Sciences, 11 University Hall, Cambridge

The Alumni Association Appointment Office, directed by the General Secretary, recommends, independently or in coöperation with the Faculty, men for business positions, commercial or technical. Inquiries should be addressed to the General Secretary, Harvard Alumni Association, 50 State Street, Room 50, Boston.

In every case of recommendation the aim is to keep in mind the best available men, remembering those candidates already successfully employed as well as those who may be out of employment.

All past or present members of Harvard University seeking permanent employment are invited to communicate with the Appointment Office. They are also urged to inform the Office of the result of their candidacy for any position, and of their desires regarding future promotions or changes of occupation. All persons who secure the service of Harvard men through the Appointment Office are invited to inform the Office in regard to the quality of the service rendered.

The Appointment Office endeavors to keep comprehensive records of all the men registered there. It undertakes not only to answer inquiries concerning members of the University who are candidates for positions, but also to secure for the inquirer the opinion of any officer or teacher of the University about such candidates.

No charge is made for the service of the Appointment Office.

STUDENTS' EMPLOYMENT OFFICE

The recommendation of students for temporary work is made through the Secretary for Student Employment. Aside from permanent employment, opportunities frequently present themselves by which students who need to increase their income may obtain, in term-time or in vacation, employment of various kinds, such as stenography, typewriting, canvassing, office work, and private tutoring. Students who wish to be regarded as applicants for such employment are invited to register with the Secretary for Student Employment, 9 University Hall, Cambridge.

No charge is made for the service of the Students' Employment Office.

FEES AND EXPENSES*

TUITION-FEES

FOR A STUDENT IN REGULAR STANDING

For the academic year, the period between the opening of the College Year and Commencement Week, the tuition-fee for every student in regular standing in Harvard College, and for every resident student in the Graduate Schools doing full work, is *two hundred dollars*, but if a student in the College takes work in excess of the amount required of members of his Class, or if an Unclassified Student or a Freshman takes work in addition to the amount prescribed in his individual case,† he is charged a supplementary fee of twenty dollars per course for each Additional Course so taken. Additional Course fees are not charged to students in the Graduate Schools.

The regular annual tuition-fee of *two hundred dollars* is charged to every Out-of-Course Student in Harvard College and to every Special Student who is doing full work, as well as to every Resident Student in any of the Graduate Schools who is doing full work, or who wishes to have the year counted as a complete year of study for any degree, or who holds a fellowship (except an Austin Teaching Fellowship) or scholarship. The supplementary fee of twenty dollars per course for each Additional Course is also charged to Out-of-Course Students.

Every student is held to have definitively chosen the courses standing in his list at noon of the third Saturday of the academic year, and to have

* These rules govern students registered in any of the departments for the first time in the academic year 1916-17 or thereafter. Students who in 1915-16 or prior thereto were registered in Harvard College, in the Graduate School of Arts and Sciences, the Graduate School of Business Administration, the School of Architecture or of Landscape Architecture, or in the Bussey Institution, whose work therein was uncompleted at the end of 1915-16, may complete in their several departments the work upon which they were engaged during the year 1915-16 at the rates and under the rules printed in the Catalogue for 1915-16, but upon entering a different department they shall be charged the same as new students.

† The regular work of the Freshman Year is English *A*, the prescribed French or German, and three courses of elective work. A Freshman who anticipates English *A* is not required to replace it by other work, and if he does so he is charged for an Additional Course. An Unclassified Student who is required to take English *A* or English *D* is not charged for it as an Additional Course.

assumed liability for the tuition-fees chargeable in respect of the same, whether he pursue all of them to completion or not, and, in the College, any new course brought into a student's list by change of elective or otherwise after that date is regarded as an Additional Course subject to supplementary charge, — but this does not apply during the first three weeks of the second half-year to changes in half-courses beginning in that half-year

A student paying fees under the above rules is entitled to all the general privileges of membership in the University. He has the right to take any courses for which he is qualified, given under the authority of the Faculty of Arts and Sciences. He has also the right of admission, provided he is properly qualified, to any of the instruction and the examinations given in any department of the University, except exercises carried on in special laboratories. To obtain admission to instruction given in a department other than that in which he is registered, a student should apply at the office of the Dean of his department for a certificate to be presented to the Dean of the department in which the desired instruction is given.

A student who enters the University after the beginning of the academic year is charged from the beginning of the tuition period in which he enters. One who leaves during the year is charged to the end of the tuition period in which he leaves, provided before that time he gives the Dean notice in writing of his withdrawal, otherwise he is charged to the end of the academic year or to the end of the tuition period in which such notice is given. The first tuition period begins at the beginning of the academic year and ends November 22d, the second begins November 23d and ends at the end of the first half-year, the third begins with the second half-year and ends with the spring recess, and the fourth begins at the close of the spring recess and ends at Commencement. The second half-year begins on the Monday following the second Sunday in February.

Deduction from the full tuition-fee of two hundred dollars a year is made for properly notified absence, as follows: for absence for three consecutive months, *fifty dollars*; for absence during an entire half-year, including examinations, *one hundred dollars*. A student who claims a deduction, on the ground of absence, must present at the Bursar's office a certificate from the Dean, Recorder, or Secretary as to the fact and duration of his absence, and, in order to obtain such a certificate, he must have given previous notice of his intended absence to the Dean, Recorder, or Secretary.

Deduction is made from the fees for Additional Courses, under the conditions named in the foregoing rules, in the same ratio as from the regular tuition-fee.

Every Non-Resident Student in a Graduate School, not holding a fellowship, is required to pay at least *twenty-five dollars* to the University. Non-resident holders of fellowships are charged no fees.

A fee of *three dollars* is charged for each examination for advanced standing taken after a candidate for admission has secured a certificate of admission, for each examination for the removal of a condition, and for each make-up examination. Candidates who try for the removal of conditions or for advanced standing through the examination given by the College Entrance Examination Board in June are not charged the above fee, but are required to pay fees to the Board in accordance with the Board rules

The fee for the examination for the degree of Ph D or S D is *thirty dollars*, but this fee is not charged to any candidate who has paid the full tuition-fee of two hundred dollars for at least one year as a student in a graduate department of the University, or who has been for two years the holder of an Austin Teaching Fellowship

FEES FOR SINGLE COURSES

Out-of-Course Students, Special Students, and Students in the Graduate Schools (not doing full work) may pay fees for the courses which they take, instead of paying the full tuition-fee of a student in regular standing. But a student paying less than two hundred dollars is not allowed to be the holder of a fellowship (except an Austin Teaching Fellowship) or scholarship, or to count the year as a full year of study for a degree, or to claim admission to instruction or examination in another department of the University

No deduction for absence or withdrawal is made from the fees for single courses. A student who attends a Course of Instruction for only a part of the year must pay the whole fee for such course. But a student who is liable for the full tuition-fee of *two hundred dollars* a year is entitled to the same remission as a student in regular standing

The fees for single courses are as follows —

For any Course of Instruction not a Laboratory Course or Course of Research, and for any Laboratory * Course designed “primarily for Undergraduates,” *fifty dollars* for a full course, *twenty-five dollars* for a half-course.

For a Laboratory * Course designed “primarily for Graduates” or “for Undergraduates and Graduates,” or for a Course of Research, a sum computed at the rate of fifty dollars for a full course and twenty-five dollars for a half-course for as many courses or half-courses as represent the amount of time devoted to the subject by the student. In estimating this time it shall be assumed that all of the student’s working time not devoted to other specified and accepted courses or occupations is given to this course

* Students who take laboratory courses are liable for additional charges in connection therewith. See pages 150-152

A special fee of twenty-five dollars for the full year or fifteen dollars for each half-year is charged in Architecture 20*d* to students taking that course who are not graduates of the Harvard Architectural School. Students must register for the full work at the beginning of the year in order to be entitled to the twenty-five dollar fee.

In all other cases the fee is computed at the rate of *seventeen dollars for an hour a week* of instruction during the academic year, up to two hundred dollars.

In no case shall the tuition-fee for the year be less than *twenty-five dollars*.

STILLMAN INFIRMARY

Every student paying the full tuition-fee of two hundred dollars a year is entitled, in case of sickness and on the order of a physician, to a bed in a ward, board, and ordinary nursing at the Infirmary for not exceeding two weeks in any one academic year. Charges are made for time in excess of two weeks, as well as for private rooms and for special nursing, and the patient pays his physician.

Students paying less than the full tuition-fee of two hundred dollars are charged for full time if they use the Infirmary unless before October 1st they have paid to the Bursar a special fee of four dollars, in which event they are given the privileges of those who pay full tuition.

FEES FOR LATE REGISTRATION, ETC

A student in the College who fails to register or to hand in his study card at the time set is required to pay a fee of *five dollars* to the Bursar before proceeding with his College work. One who is permitted to change an elective course upon petition filed later than the second Saturday of the half-year in which the course begins must pay a fee of five dollars for the change.

LABORATORY AND SIMILAR FEES

Every student taking a laboratory course is chargeable for breakage, damage and loss of apparatus. Students who pay less than the full tuition fee of two hundred dollars are also charged a special laboratory fee for each laboratory course that they take.* These fees are as follows —

Mus 3, 4, \$2 50; 6, \$10.00.

Phys 4*b*, 4*c*, \$7 50 each; *B* and 1, \$10 00 each; *C*, \$12 00, 2, 3, and 20, \$15 00 each. No laboratory fees in Physics are charged to candi-

* An Austin Teaching Fellow, or an assistant paying tuition at the course rate of fifty dollars per course, is charged no laboratory fee for any full course unless the fee exceeds five dollars, and he is granted a reduction of five dollars from each full-course laboratory fee that exceeds that sum. No reduction is made from the laboratory fees for half-courses.

dates for the Doctor's degree who have completed one year's research work in the Jefferson Physical Laboratory.

Engineering Sciences 3, \$2 00, 6a, 6b, 7a, 7b, \$1 00, 8, \$3 00; 10, \$10 00.

Astronomy, \$10 00 per course except 5, which is \$20 00

Chemistry B, \$6 00, *A*, 1, \$12 00, 3, 4, 5, and 6, \$18 00 each, 9, 10, 12, 13, 18, 19, 22, and 25, \$9 00 each, 23, \$25 00, 20, \$36 00, which is the maximum fee for more than one course in Chemistry (except 23, the fee for which is independent of this maximum) taken in one academic year by one person. Students who take laboratory courses in Chemistry are also subject, in addition to the above fees, to charges for use of materials, breakage, and fines for violation of laboratory regulations.

Botany 10 and all laboratory half-courses, \$5.00 each; laboratory full courses not otherwise specified, \$10 00 each; 20 (except 20c and 20d), \$5 00 per course counted for a degree.

Zoology, \$5 00 for each laboratory half-course and \$10 00 for each laboratory full course except 20, for which the fee is \$5 00 to Graduate Students and Special Students, and \$10 00 to Undergraduates and Out-of-Course Students per course counted for a degree.

Hygiene and Sanitation 2, \$10 00

Geology and Geography 1, 4, 5, 6, 10, and 12, \$5.00 each; 12 as a half-course, \$2 50, 20b, \$5 00 to \$20 00, and 20c, a maximum of \$20.00 according to time spent in the laboratory and the amount of materials used.

Palaeontology 1, 2, and 3, \$5 00 each, 20, a maximum of \$10 00 per course counted for a degree.

Meteorology, \$10 00 per course counted for a degree.

Mineralogy 2, \$10 00; 7, 8, 10, and 14, \$2 50 each, 12, \$5 00, 20 (other than 20e), \$5 00 to \$30.00, 20e, minimum, \$30 00.

Education 20d, \$5 00.

Anthropology 2, \$7 50.

Philosophy and Psychology, \$5 00 per course counted for a degree.

Medical Sciences.—Anatomy 1, \$9 00, 2, \$3 00. Physiology 10, \$3.00. Biochemistry 1, \$10 00. Additional charges are made for breakage and materials in Physiology and Biochemistry.

Courses at the Summer Camp — Laboratory fees, as well as instruction, board, and other regular charges, are included in the general fees of *Engineering Sciences* 4a and 4d. For students who, during the academic year immediately preceding, have been registered under the Faculty of Arts and Sciences and have paid the full tuition-fee of \$200 00 or more for that year, these general fees are \$60 00 for 4a; and \$72.00 for 4d. For other students

there is in addition to the general fees a fixed charge of \$15 00 for 4*a*, and of \$20 00 for 4*d*. These fees must be paid before entering upon the work of the courses to which they severally apply.

Forestry — A fee of \$5 00 is charged each student, for use of instruments. There is also a *lodging fee* of 75 cents a week for students in Forestry in residence at Petersham.

Mining and Metallurgy 1 and 25, \$3 00 each, 26 and 28, \$5 00 each, 14 and 16, \$10 00 each, 11, 12, and 21, \$15 00 each, 4, \$20 00, 3, \$25 00, 17 and 19, \$30 00 each; 20 and 29, each a minimum fee of \$30.00.

Industrial Management (Business School), use of watch-books, \$2 00

BONDS

Every student in Harvard College in regular standing and every Out-of-Course Student must file with the Bursar a bond in the sum of *four hundred dollars*, signed by two bondsmen, one of whom must be a citizen of the United States, or by a surety company duly qualified to do business in Massachusetts, as security for the payment of College bills, or he may deposit with the Bursar four hundred dollars in United States bonds for the same purpose, or he may deposit fifty dollars as security and pay in advance all sums for which he becomes liable to the University. Money deposited as security is returnable after the issue of the second term-bill, one week before Commencement.

The same rule applies to every Special Student and to every Resident Student in the Graduate Schools, except that *two hundred dollars* is the amount of the bond required of a student of one of these classes, unless he occupies a College room or boards at the Union or Foxcroft Hall.

Every student in any department of the University who occupies a College room or boards at the Union, the Freshman Halls, or Foxcroft Hall must file a bond for *four hundred dollars*, or must in advance, and in addition to his tuition-fees, pay the full year's rent of his room, and make a deposit as security for the payment of his board. In the case of the Union or the Freshman Halls, the deposit for board may be made each week at the rate of \$6 75, or it may be made less frequently in multiples of that figure. In the case of Foxcroft Hall the deposit, made in sums of \$5 00 or multiples thereof, must be such as to maintain constantly in the Bursar's hands a balance in excess of \$10.00.

No officer or student of the University is accepted as a bondsman.

PAYMENT OF THE TUITION-FEE — TERM-BILLS

All students are required to pay the tuition-fee in advance. Students doing full work are required to pay fifty dollars on or before the opening day of the academic year, fifty dollars on or before November 23, fifty dollars on or before February 10, and, in case their full fee is two hundred dollars, a fourth instalment of fifty dollars on or before April 22.

Students doing less than full work and paying at the course rate, are required to pay in the same manner as those who are doing full work, until all their work has been paid for.

A student who is doing less than full work is required to present at the Bursar's office, at the beginning of the academic year, a certificate from the Dean, the Recorder, or the Secretary of his School, stating the courses that he is taking, and he is not permitted to attend courses that are not included in the certificate.

No bills are sent specifically for the tuition-fee, although the third instalment is incorporated for convenience with the first term-bill, since they fall due on the same day.

The first term-bill is issued January 20, and must be paid on or before February 10. This bill includes, in addition to the third instalment of the tuition-fee, such charges as the following: Two-thirds of the year's charges for the use of a College room; fees for laboratory courses which begin in the first half-year; locker fees, such incidental charges as can then be determined; charges for gas and electricity, and for board at the Dining Halls, made up to as late a date as practicable.

The second term-bill is issued one week before Commencement, and contains the tuition-fees for Additional Courses, if any, and other charges not included in the first bill. The second term-bill must be paid by all candidates for degrees at least one day before Commencement; and, by all other students, on or before July 20.

Students who are candidates for degrees in the middle of the academic year must pay all dues to the University at least one day before the day upon which the degrees are to be voted.

The term-bills are sent to the student at his Catalogue address unless the Bursar is requested in writing to send them elsewhere.

When a student's connection with the University is severed, all charges against him must be paid at once.

Each student whose dues to the University remain unpaid on the day fixed for their payment is required at once to cease attending lectures or recitations, using the libraries, laboratories, gymnasium, athletic grounds or buildings, boarding at the Union or at Foxcroft Hall, and making use of any other privileges as a student, until his financial relations with the University have been arranged.

satisfactorily to the Bursar. A student in Harvard College who neither pays his dues nor makes arrangement with the Bursar for their postponement within three days after the date fixed for their payment, and who thereby loses his privileges but is shortly readmitted thereto, is required to pay a fee of ten dollars before resuming his standing in the University.

EXPENSES

The necessary expenses of tuition and residence include tuition (\$200), room (\$50 to \$200), board (\$120 to \$300) In addition to these charges, for which everyone must plan, a student's expenses will include charges which vary with the means and habits of the individual — as, for example, furniture, books and stationery, clothing, fuel, laboratory charges, membership in societies, subscriptions, service, and the expenses of vacations To help students in reducing their expenses, a number of cooperative institutions are established in connection with the University, such as the dining halls, the Loan Furniture Association, the Text-book Loan Library, the Harvard Cooperative Society, etc Full information as to the cost of living and the various aids which the University affords to students may be obtained in a pamphlet entitled "Students' Expenses and College Aids," which will be sent to anyone without charge on application to 2 University Hall

Information regarding rooms in College buildings may be obtained upon application to the Bursar.

DINING HALLS

In addition to the special dining rooms at the Freshman Halls, the University has two general dining Halls conducted at cost for the benefit of their members The Union provides board at a fixed price per week and Foxcroft Hall board on the *à la carte* plan. The two Halls are managed by the University Dining Council, consisting of three persons appointed by the Corporation, three persons elected by the members of the Union, and three persons elected by the members of Foxcroft Hall.

The price of board at the Union is fixed at the beginning of the year at an amount (\$6.25 for 1917-18) which is expected to insure an ample and varied fare and this price is usually unchanged during the year. In addition to the food served on the regular bill of fare, a large extra order list is maintained from which articles may be specially ordered. The charges for board are made on the College term-bill. A membership fee of \$5 is charged.

Application for admission may be made by any member of the University, or by anyone intending to enter the University. Friends may secure seats together by forming a "Club Table" Application for membership

should be made before September 15 to secure a chance in the first allotment of seats for the following College year. The Hall opens the day College begins. Application blanks and further information may be obtained from the Auditor, Memorial Hall.

Membership in Foxcroft Hall is open to any member of the University. The cost of board varies with the needs of individuals, some members satisfy their wants at a cost of about \$3 a week, but \$3 50 is ordinarily to be regarded as the minimum cost of substantial fare. The charges for board are made on the College term-bill. A small membership fee is charged. Application for admission should be made early to the Auditor, Foxcroft Hall.

ASSIGNMENT OF COLLEGE ROOMS FOR 1918-19, EXCEPT ROOMS IN RANDOLPH AND THE FRESHMAN HALLS

Students living in College buildings, who intend to be students in any department of the University during the academic year 1918-19, and wish to engage for that year the rooms which they now occupy, must sign new room-agreements and leave them at the Bursar's office on or before March 31, 1918. Students now living in Hollis, Stoughton, Holworthy, Thayer, Weld, or Matthews do not have the right to re-engage their rooms for 1918-19.

A special assignment of rooms in Hollis, Stoughton, Holworthy, Thayer, Weld, and Matthews is made early in January by a committee of the Junior Class to students who will be members of the Senior Class in the following academic year.

A list of all the College rooms not engaged for 1918-19 (except rooms in Wadsworth House and in Conant), with blank forms of application, will be ready for delivery at the Bursar's office April 6. Applications for these rooms may be made on or before May 2 by those who intend to be students in the University during the year 1918-19. But rooms in Hollis, Stoughton, Holworthy, Thayer, Weld, and Matthews Halls will be assigned by preference to applicants who are members of the Class of 1919 in the College. Applications which are not made on the printed blanks, and applications from those who have already engaged College rooms for 1918-19, will not be considered. The assignment of rooms will be made by lot May 4, and the result of the allotment will be announced May 6.

Lists of the rooms to be let May 4, descriptive lists of rooms, blank applications and bonds will be sent after April 6 to those intending to enter the University in the summer of 1918 who send their names and addresses to the Bursar for that purpose. The bond for \$400 must be executed by two sufficient bondsmen or by a surety company duly qualified to do business.

in Massachusetts, and will hold them for the full year's rent of any one of the rooms applied for which may be assigned to the applicant between the date of the execution of the bond and the first day of October, 1918. But the bondsmen will not be held for any payment of rent if the Bursar lets the room to some other member of the University in accordance with the established rules.

In the assignment of a room with two bedrooms, preference * will be given to an application signed by two students who will occupy the room together. If two students, neither of whom has a room standing in his name for 1918-19, intend to occupy a room together and both sign one application, this application will be given two chances in the allotment and any room drawn will be assigned to the two applicants. But if in any case one of two applicants to whom a room has been assigned is not admitted to the University, or if either of the applicants does not register and join his class before September 26, or does not occupy the room through the year, the Bursar may cancel the assignment and assign the room by lot to other applicants.

Every student to whom a room is assigned will be held responsible for the full year's rent thereof, and all charges for light and damages, unless, before September 26, 1918, the room is let at his request to some other student in accordance with the established rules; or unless, being a member of the Class of 1919, of 1920, or of 1921, in the College, he permanently severs his connection with the University, obtains a leave of absence for the whole year 1918-19, or is suspended for the whole of that year, and gives written notice to the Bursar before September 1, 1918, that he desires to cancel his room-agreement. When one of two room-mates cancels his room-agreement under the preceding provision, the other room-mate may, except as otherwise provided in the case of rooms assigned by preference to two applicants, secure the room by at once signing a new room-agreement and leaving it at the Bursar's office; but unless he does so, the Bursar will be at liberty to assign the room to other tenants.

Students who have no College rooms for 1918-19 and wish to obtain rooms which may be unengaged May 10, or which may become vacant at any time after that date, may after May 8 file applications at the Bursar's office, specifying the conditions as to buildings, floors, exposure, rent, etc., which they desire to have met, and containing agreements to take any rooms which may be assigned to them which fulfil the specified conditions. These applications will remain in force until such dates as the applicants may specify therein, and rooms will be assigned upon them by lot. Notice of rooms to be assigned may be put upon the bulletin board if the Bursar considers it advisable.

* In Holyoke House, rooms 16, 27, and 38, only, will be subject to this preference.

Rooms in Conant Hall and twenty-five rooms in Grays are reserved for members of the Graduate School of Arts and Sciences. Application for these rooms should be made, after April 6, to the Secretary of the Graduate School of Arts and Sciences, No 23 University Hall. For rooms in Randolph and Apthorp application should be made to Mr George H Carrick, No 8 Boylston Street

The Bursar may cancel the assignment of a room to one whose connection with the University as a student is terminated, or to one intending to enter College as an undergraduate who does not pass the admission examination or, having passed the examination, does not join his class before September 26, 1918, or to any other person who does not register as a student in some department of the University before September 26, 1918.

The right to occupy a College room is given only to the student to whom the room is assigned and to his room-mate. Neither transfers nor exchanges of rooms are allowed. Not more than two students are allowed to occupy any College room (except certain suites in the Freshman Halls), and not more than one to occupy any room in Divinity Hall or Conant Hall except those having bedrooms, nor any room on the North side of Grays Hall. Only the constant use of a room by night as well as by day will be regarded as occupation thereof. All persons who occupy College rooms are subject to the regulations of the Parietal Board. Persons not connected with the University are not allowed to occupy College rooms. Tenants who desire to employ any one to make fires, black boots, etc, must arrange therefor with the porters of the buildings in which they live

PRICES OF COLLEGE ROOMS FOR 1918-19

In each case the price is for the whole room from the beginning of the Academic Year until the next Commencement, and includes the daily care of the room. The prices of rooms in Hollis, Stoughton, Holworthy, Thayer, Weld, Wadsworth, Matthews, Holyoke, Gannett, Walter Hastings, Perkins, Conant, Divinity, and the prices of Grays 1, 4, 6, 8, 9, 11, 12, 15, 17, 19, 27, 28, 33, 36, 39, 44, 47, 48, 51, 52 also include heat

Rooms thus (*) designated are furnished for occupation by one person with bedstead, spring, mattress, pillow, washstand, chiffonier, desk, chairs, bookshelves, and rug. The other rooms are unfurnished

\$55	Grays, No 35, Divinity, No 2
\$60	Conant, Nos 3A, 10A, 12A, 39A, 46A, 48A
\$65.	Grays, No 34, Conant, Nos 15A, 22A, 24A, 27A, 34A, 36A
\$70	Grays, Nos 13*, 25, 49*
\$75	Grays, Nos 14*, 21, 37, Divinity, Nos 6*, 10*,
\$80	Grays, Nos. 26, 29*, 31*, 33, 45*, Divinity, Nos 4*, 5*, 9*, 12*, 14
\$85	Divinity, Nos 3*, 11*, 13

- \$90. Grays, Nos 3, 15, 16*, 22*, 30*, 32*, 38, 40, 50*, Divinity, No 1*
- \$95. Grays, Nos 36, 51*, Divinity, Nos 7*, 20*, 24*, 31*, 38*
- \$100 { Grays, Nos 10*, 42*, 46*, 52*, Gannett, No 4, Walter Hastings,
No 61, Conant, Nos 10, 12, 39, 42, 46, 48, Divinity, Nos 16,
18*, 26*, 28*, 32*, 35, 40*, 42*
- \$105 Grays, Nos. 11*, 27*, Divinity, Nos 17, 23, 37, 39
- \$110 Divinity, Nos 21*, 27*, 30*, 41*
- \$115 { Hollis and Stoughton, Nos 1, 2, 3, 4, 17, 18, 19, 20, Grays, Nos 9,
18, 19, 39, 47*, Divinity, Nos 19*, 25*, 29*, 31*, 33*
- \$120 { Weld, Nos 25, 26, 52, 53, Grays, No 17, Conant, Nos 15, 18, 22,
24, 27, 30, 34, 36
- \$125 { Grays, Nos 6*, 8*, 12*, 28*, 44*, 48*, Wadsworth, Nos 9 and 10,
11 and 12, Holyoke, Nos 17, 28, 39, Gannett, Nos 1, 1A, 2, 2A,
3, 9, Walter Hastings, Nos 13, 22, 23, 32, 46, 59
- \$135 Hollis and Stoughton, Nos 14, 16, 29, 30, Stoughton, No 13
- \$140. { Hollis and Stoughton, Nos 5, 6, 8, 9, 10, 12, 22, 23, 24, 25, 26, 27, 28;
Hollis, No. 21; Stoughton, No 15; Grays, Nos 1, 2; Weld, Nos.
24, 27, 51, 54
- \$145. { Hollis and Stoughton, No. 32; Matthews, Nos. 27, 28, 57, 58,
Perkins, Nos. 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21,
22, 69, 70, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86,
87, 88.
- \$150. { Hollis, Nos. 7, 11; Stoughton, No. 11; Weld, Nos. 1, 9, 15, 21, 36,
42, 48; Holyoke, Nos 23, 34, 40, 45, Gannett, Nos. 5, 5A, 7;
Walter Hastings, Nos. 45, 60, Conant, Nos. 4, 5, 7, 8, 9, 11, 43.
- \$155. Thayer, Nos. 17, 18, 19, 20, 41, 42, 65, 66.
- \$160. Thayer, Nos. 24, 47, 48; Conant, Nos. 40*, 41*, 44*, 45*, 47*.
- \$165. Grays, No. 20.
- \$170. { Hollis and Stoughton, No. 31; Matthews, No 6; Perkins, Nos 25,
26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47,
48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66,
67, 68.
- \$175. { Matthews, Nos. 25, 26, 29, 30, 55, 56, 59, 60, Holyoke, Nos 5, 7, 12,
18, 37, 46, Gannett, No. 6; Conant, Nos 16, 19, 20, 21, 23, 29.
- \$185. { Thayer, Nos. 13, 14, 15, 16, 35, 36, 43, 44, 59, 60, 67, 68; Conant,
Nos. 28*, 31*, 32*, 33*, 35*.

- \$190. { Thayer, Nos. 1, 2, 3, 4, 63, 64; Grays, No. 4; Matthews, Nos. 3, 4, 22, 33, 34, 52.
- \$195. Thayer, Nos. 26, 49, 50; Perkins, Nos. 23, 24, 45, 46.
- \$200 { Thayer, Nos. 45, 46; Weld, No. 28, Matthews, Nos. 10, 16, 46; Holyoke, Nos. 4, 8, 9, 10, 11, 14, 15, 19, 20, 21, 22, 24, 25, 29, 30, 31, 32, 36, 38, 41, 42, 43, 44, 47, Conant, Nos. 13, 14, 25, 38
- \$210. { Weld, Nos. 5, 13, 14, 19, 20, 32, 34, 40, 41, 46, 47, Matthews, Nos. 5, 9, 15, 19, 20, 21, 39, 45, 49, 50, 51; Conant, Nos. 26*, 37*.
- \$215 { Thayer, Nos. 6, 7, 8, 9, 10, 11, 12, 37, 38, 39, 40, 57, 58, 61, 62; Weld, Nos. 8, 30.
- \$225. { Thayer, Nos. 22, 25, 31, 51, 52, 56; Matthews, Nos. 1, 2, 7, 8, 13, 14, 23, 24, 31, 32, 35, 36, 37, 38, 43, 44; Holyoke, Nos. 16, 27; Walter Hastings, Nos. 20, 30, 42, Wadsworth, Nos. 1 and 2, 13, 14.
- \$235. Matthews, Nos. 53, 54.
- \$245. Thayer, Nos. 33, 34.
- \$250. { Thayer, Nos. 27, 28, 32, 55, Wadsworth, Nos. 5 and 6, Holyoke, Nos. 13, 26, 35, Walter Hastings, Nos. 14, 16, 18, 24, 26, 28, 33, 36, 39, 47, 50, 53, 56.
- \$265 { Weld, Nos. 18, 22, 23, 45, 49, 50, Matthews, Nos. 11, 12, 17, 18, 41, 42, 47, 48.
- \$270. Weld, Nos. 4, 12, 31, 39.
- \$275. Weld, Nos. 6, 33; Wadsworth, Nos. 3 and 4, 7 and 8, 15.
- \$295. Weld, Nos. 43, 44
- \$300. { Holworthy, Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24; Weld, Nos. 2, 10, 11, 16, 17, 29, 37, 38; Walter Hastings, Nos. 12, 21, 35, 38, 41, 43, 44.
- \$305. Holworthy, No. 20.
- \$325 { Walter Hastings, Nos. 3, 6, 9, 11, 15, 19, 25, 27, 29, 31, 34, 37, 40, 57, 58.
- \$350. Walter Hastings, Nos. 1, 2, 4, 5, 7, 8, 10, 48, 51, 54, 55.

Divinity Hall is reserved primarily for students of the Divinity School, and rooms in this building will not be assigned to other students until the Monday on which the academic year begins. Applications by students

not of the Divinity School for rooms that may remain unlet on that date, may be filed with the Bursar during the summer, but such applications must be accompanied in all cases by a written statement from the Dean of the Divinity School that the applicant is approved by him. Applicants who are not known to the Dean should present to him letters of introduction from some officer of the University, or other person qualified to give them

ASSIGNMENT OF ROOMS IN THE FRESHMAN HALLS FOR 1918-19

"All members of the Freshman Class will reside and board in the Freshman Halls, except those who are permitted by the Assistant Dean of Harvard College to live elsewhere. Exceptions will ordinarily be made in the case of students who wish to live at home" — *Vote of the Faculty of Arts and Sciences, December 2, 1918.*

Applications for rooms, to be considered at the first assignment, must be in the hands of the Bursar on or before July 10, 1918. Blank forms of application, together with plans of the Freshman Halls, price lists of rooms, and blank forms of bond, will be sent by the Bursar upon request. The bond for \$400 must be executed by two sufficient bondsmen or by a surety company duly qualified to do business in Massachusetts, and will hold them for the full year's rent of any quarters which may be assigned to the applicant. The first assignment will be made on or about August 1, 1918. Applicants who have failed to secure admission in June will not be considered at this assignment. Applications received after July 10, 1918, from candidates admitted in June, will be considered in the order of receipt, after the first assignment has been made. Applications from candidates not admitted until September will be considered in the order of receipt, after the results of the September examinations are known.

Each room in the Freshman Halls consists of a study, with one or more bedrooms adjoining. The study is provided with desk, chairs, and bookcase. Each bedroom contains a bed, mattress, pillow, small table, chair, and chiffonier. Most of the rooms are designed for occupancy by two or more students. In the following lists, the price in each case is for the whole room from the beginning of the academic year until the next Commencement, and includes heat, use of furniture, and the daily care of the room. The price is divided equally between the tenants.

Board will be charged to every student living in the Freshman Halls. For the year 1917-18 this charge was at the rate of \$6 25 a week.

The prices are as follows. —

PRICES OF ROOMS IN THE FRESHMAN HALLS 161

PERSIS SMITH HALL

Room No	No of tenants	Full price	Room No	No of tenants	Full price	Room No.	No of tenants	Full price
A 11	2	\$325	B 12	2	\$325	B 51	3	\$135
A 12	1	225	B 14	1	350	B 52	4	140
A 21	1	200	B 21	2	275	C 11	1	275
A 22	1	225	B 22	2	375	C 12	1	225
A 23	1	200	B 23	1	250	C 13	2	250
A 24	2	350	B 24	2	375	C 14	1	250
A 25	1	250	B 31	3	300	C 21	2	350
A 26	2	350	B 32	2	375	C 23	2	275
A 31	2	100	B 33	2	300	C 31	2	350
A 32	2	350	B 34	2	375	C 32	1	250
A 33	1	250	B 41	2	250	C 33	2	225
A 34	2	350	B 42	2	300	C 34	1	350
A 41	5	200	B 43	2	250	C 41	3	120
B 11	2	250	B 44	2	300	C 42	3	105

GEORGE SMITH HALL

Room No.	No. of tenants	Full price	Room No	No of tenants	Full price	Room No	No of tenants	Full price
A 11	2	\$350	B 21	2	\$400	C 11	2	\$350
A 12	2	350	B 22	2	400	C 12	2	350
A 22	2	400	B 31	2	400	C 21	2	400
A 31	2	400	B 32	2	400	C 22	2	400
A 32	2	400	B 41	3	135	C 31	2	400
B 11	2	350	B 42	3	135	C 32	2	400
B 12	2	350						

JAMES SMITH HALL

Room No	No of tenants	Full price	Room No	No of tenants	Full price	Room No	No of tenants	Full price
A 11	1	\$250	B 13	2	\$275	C 22	2	\$350
A 12	2	275	B 14	1	300	C 23	1	200
A 13	1	300	B 21	1	325	C 24	1	200
A 14	1	275	B 22	2	300	C 25	1	175
A 21	1	275	B 23	2	300	C 26	1	200
A 22	2	300	B 24	2	350	C 27	1	200
A 23	1	325	B 31	1	350	C 28	1	200
A 24	2	325	B 32	2	300	C 29	2	300
A 31	1	300	B 33	2	300	C 31	2	325
A 32	2	325	B 34	2	350	C 32	1	325
A 34	2	325	B 41	3	135	C 33	2	375
A 41	3	135	B 42	3	135	C 34	2	100
A 42	3	135	C 11	2	300	C 41	3	135
B 11	2	275	C 20	2	300	C 42	2	200
B 12	1	300						

STANDISH HALL

Room No	No of tenants	Full price	Room No	No of tenants	Full price	Room No	No of tenants	Full price
A 11	1	\$400	B 31	2	\$375	D 24	1	\$300
A 12	2	425	B 33	2	325	D 31	2	400
A 13	1	250	B 34	2	400	D 32	2	325
A 15	2	325	B 41	4	220	D 33	2	375
A 21	1	450	B 42	2	300	D 34	1	300
A 22	2	500	C 21	3	450	D 41	2	350
A 23	1	275	C 22	1	400	D 42	4	220
A 24	2	375	C 23	3	450	E 11	2	375
A 25	2	350	C 31	3	300	E 12	1	275
A 31	1	450	C 32	1	400	E 13	1	275
A 32	2	500	C 33	4	350	E 14	2	425
A 33	1	275	C 41	3	300	E 15	1	425
A 34	2	375	C 42	1	350	E 21	2	400
A 35	2	350	C 43	4	325	E 22	3	300
A 41	5	300	C 51	7	245	E 23	1	300
B 11	2	350	D 11	2	300	E 31	2	400
B 12	1	250	D 12	1	275	E 32	2	375
B 13	2	300	D 13	2	350	E 33	1	300
B 21	2	375	D 21	2	400	E 34	2	500
B 22	1	275	D 22	2	325	E 35	1	475
B 23	2	325	D 23	2	375	E 41	5	300
B 24	2	400						

GORE HALL

Room No	No of tenants	Full price	Room No.	No. of tenants	Full price	Room No	No of tenants	Full price
A 11	4	\$300	B 3	2	\$325	D 31	4	\$300
A 12	1	425	B 34	1	375	D 32	1	350
A 13	2	300	B 35	4	300	D 33	2	325
A 14	2	350	B 41	2	350	D 34	1	275
A 21	2	500	B 42	1	250	D 35	2	325
A 22	1	475	B 43	2	250	D 41	4	300
A 23	2	350	B 44	1	350	D 42	1	325
A 24	2	375	B 45	4	300	D 43	2	250
A 31	2	500	C 21	4	300	D 44	1	250
A 32	1	475	C 22	1	375	D 45	2	350
A 33	2	350	C 23	4	325	E 11	2	325
A 34	2	375	C 31	2	400	E 12	2	300
A 35	1	325	C 32	2	350	E 13	4	300
A 41	2	450	C 34	2	400	E 14	1	425
A 42	1	425	C 41	2	375	E 21	1	300
A 43	2	325	C 42	2	325	E 22	2	350
A 44	2	350	C 43	1	300	E 23	2	350
A 45	1	300	C 44	2	375	E 31	1	300
B 11	2	325	C 51	4	160	E 32	2	350
B 13	2	300	C 52	3	120	E 33	2	350
B 21	2	375	D 11	2	300	E 34	2	500
B 22	1	275	D 12	1	225	E 35	1	475
B 23	2	325	D 13	2	300	E 41	1	250
B 24	1	375	D 21	4	300	E 42	2	350
B 25	4	300	D 22	1	350	E 43	2	325
B 31	2	375	D 23	2	325	E 44	2	450
B 32	1	275	D 25	2	325	E 45	1	425

HARVARD COLLEGE

GENERAL STATEMENT

Harvard College was founded in 1636, and, until the establishment of professorships in medicine in 1782, comprised the whole of the institution now called Harvard University. Harvard College is now, by the Statutes, the name of a single department of the University.

The work of the College presupposes the training ordinarily given in high schools and academies or its equivalent.

To properly qualified students, instruction is offered in the following subjects: Anthropology, Astronomy, Botany, Celtic, Chemistry, Classical Archaeology, Classical Philology, Comparative Literature, Comparative Philology, Economics, Education, Egyptology, Engineering Sciences, English, Fine Arts, French, Geology and Geography, German, Government, Greek, History, History of Religions, History of Science, Hygiene and Sanitation, Indic Philology, Italian, Latin, Mathematics, Military Science, Mineralogy and Petrography, Music, Netherlandish, Palaeontology, Philosophy, Physics, Physiology, Public Speaking, Romance Languages and Literatures, Romance Philology, Scandinavian, Semitic Languages and History, Slavic Languages, Social Ethics, Spanish, Zoology.

Instruction in these subjects is given under a plan which aims to secure the greatest possible freedom of opportunity for those who wish to obtain a liberal education in the arts and sciences, whether as the end of their academic training, or as a basis for further study in Divinity, Medicine, Law, or the various scientific professions, such as Engineering, Architecture, Forestry, etc. Each student is permitted to shape his own programme of work in accordance with the general principle that every one must take a considerable amount of work in some one field and distribute well the rest of his courses. The rules governing the election of courses are given on pages 205-212.

This work of the College, which may be varied in character, according to individual needs, leads to the degrees of Bachelor of Arts and Bachelor of Science, the requirements for each of which are ordinarily completed in three, three and a half, or four years; but students who at entrance anticipate, by examination, College studies, and students from other colleges may be admitted to advanced standing.

For information concerning admission, opportunities for instruction, and requirements for degrees, application should be made to the Chairman of the Committee on Admission, 20 University Hall.

ADMISSION

A student who wishes to enter Harvard College as a candidate for a degree must ordinarily pass examinations for admission; but if he comes from another college or scientific school, he may be admitted without examination, provided he has completed creditably not less than one year of college work. For the admission of students from other colleges and scientific schools, see page 203

In June, all examinations for admission are conducted by the College Entrance Examination Board.

In September, examinations are conducted by the College and are held in Cambridge only. The only papers used in September are Comprehensive papers prepared by the same Committees of the Board that prepare the Comprehensive papers for June. Candidates for admission by the Old Plan will be permitted to use these papers to establish credit in any admission subjects covered by them.

REQUIREMENTS FOR ADMISSION TO THE
FRESHMAN CLASS

There are two plans of admission to Harvard College

OLD PLAN

To be admitted under this plan to the Freshman Class of Harvard College a candidate must present himself for examination in certain studies. These studies must amount to sixteen and one-half units of school work, except that candidates who present both Elementary Latin and Elementary Greek will be admitted without conditions on fifteen and one-half units of school work. In not less than five units a candidate must pass examinations with grades that are "satisfactory" as distinguished from grades that are "merely passable."

The figures at the right of admission studies indicate their unit values.

PRESCRIBED STUDIES

English (3).

Foreign Languages

For candidates for the degree of A B

Either Elementary Greek (2), or Elementary Latin (3), and Elementary German (2), or Elementary French (2), or Spanish (2).

For candidates for the degree of S B

At least three units of modern languages chosen from the following:—

Elementary German (2), Advanced German (1), Elementary French (2), Advanced French (1), Spanish (2).

History: —

Any one of the following: —

Ancient History (1), Mediaeval and Modern History (1), Modern European History (1), English History (1), American History and Civil Government (1)

Mathematics. —

Both of the following: —

Elementary Algebra ($1\frac{1}{2}$), Plane Geometry (1).**Science: —**

One unit of school work chosen from the following: —

Physics (1), Chemistry (1), Geography ($\frac{1}{2}$), Botany (1), Zoology (1), Biology (1).**ELECTIVE WORK**

Sufficient additional subjects chosen from the complete list below to make up the total of sixteen and one-half (or fifteen and one-half) units as required above.

COMPLETE LIST OF ADMISSION STUDIES (OLD PLAN) WITH THE BOARD EXAMINATIONS (ORDINARY AND COMPREHENSIVE) WHICH REPRESENT THEM

For descriptions of Board examinations, see pp 175-177

HARVARD ADMISSION STUDIES	BOARD EXAMINATIONS
Elementary English (3)	ENGLISH Comprehensive English, <i>or</i> The following Ordinary examinations: 1 Grammar and Composition 2. Literature
*Elementary Greek (2)	GREEK Comprehensive Greek (Greek <i>Cp</i> 2), <i>or</i> The following Ordinary examinations in Greek taken together at one examination period <i>A2</i> Composition and <i>BG</i> Xenophon, and Translation at Sight of Greek Prose.
*Advanced Greek (1)	GREEK Comprehensive Greek (Greek <i>Cp</i> 3), <i>or</i> <i>CH</i> Homer — Iliad, Books I-III, and Sight Translation of Homer

* After 1918, the only Board paper used in Greek will be the Comprehensive paper

Advanced Greek (<i>continued</i>)	NOTE — Candidates are advised to present also <i>F</i> , Prose Composition, since a fair success in it will offset deficiencies in the other parts of the examination in Advanced Greek
Elementary Latin (3)	<p>LATIN Comprehensive Latin (Latin <i>Cp 3</i>), <i>or</i></p> <p>The following Ordinary examinations taken at one examination period</p> <ol style="list-style-type: none"> 1 Grammar 2 Elementary Prose Composition 4 Cicero and Sight Translation of Prose, <i>or</i> 5 Virgil and Sight Translation of Poetry. <p>(In place of 1, 2, and 4 taken separately, candidates may take Latin 124 combined)</p>
Advanced Latin (1)	<p>LATIN Comprehensive Latin (Latin <i>Cp 4</i>), <i>or</i></p> <p>The following Ordinary examinations taken at one examination period:</p> <ol style="list-style-type: none"> 4 Cicero and Sight Translation of Prose, <i>or</i> 5 Virgil and Sight Translation of Poetry. <p>(<i>The candidate will take that paper (4 or 5) which he did not take for Elementary Latin</i>)</p> <p>6. Advanced Prose Composition</p>
Elementary German (2)	<p>GERMAN Comprehensive German (German <i>Cp 2</i>), <i>or</i></p> <p>A. Elementary (First and Second years).</p>
Advanced German (1)	<p>Comprehensive German (German <i>Cp 3</i>), <i>or</i></p> <p>B Intermediate (Third year)</p>
Elementary French (2)	<p>FRENCH Comprehensive French (French <i>Cp 2</i>), <i>or</i></p> <p>A. Elementary (First and Second years).</p>

Advanced French (1)	Comprehensive French (French <i>Cp</i> 3), or B Intermediate (Third year)
Spanish (2)	Comprehensive Spanish (Spanish <i>Cp</i> 2), or Spanish (Ordinary examination)
History (1), (2), or (3)	HISTORY A Ancient History, or B Mediaeval and Modern History, or C English History, or D American History and Civil Government E Modern European History.
Elementary Algebra ($1\frac{1}{2}$)	MATHEMATICS. A. Elementary Algebra, or A 1 Algebra to Quadratics and A 2. Quadratics and Beyond.
Advanced Algebra ($\frac{3}{4}$)	MATHEMATICS. b Advanced Algebra.
Plane Geometry (1)	MATHEMATICS. c Plane Geometry.
Solid Geometry ($\frac{1}{2}$)	MATHEMATICS d Solid Geometry.
Logarithms and Trigonometry ($\frac{1}{2}$)	MATHEMATICS. e Trigonometry.
Physics (1)	*PHYSICS.
Chemistry (1)	*CHEMISTRY
Botany (1)	*BOTANY.
Zoölogy (1)	*ZOOLOGY.
Botany and Zoölogy (1)	*BIOLOGY.
Geography ($\frac{1}{2}$)	GEOGRAPHY.
Freehand Drawing ($\frac{1}{2}$)	FREEHAND DRAWING.
Mechanical Drawing ($\frac{1}{2}$)	†MECHANICAL DRAWING.
Civil Government ($\frac{1}{2}$)	CIVIL GOVERNMENT

* The candidate will be required to take a laboratory examination in Cambridge not later than the autumn of the year in which he enters College. He will also be required to present at the hour of the laboratory examination, a note-book in which he has recorded the steps and the results of his laboratory exercises, and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work.

† In connection with the examination in Mechanical Drawing (but not that in Freehand Drawing) the submission of a certified set of plates is required. They should be sent by mail or express to the Secretary of the College Entrance Examination Board in advance of the examination.

ADMISSION WITH CONDITIONS (OLD PLAN)

Candidates who fail to meet in full the requirements indicated above may be admitted under conditions which require them to pass certain examinations later, or to do extra College work. As the ratings of the individual subjects in time units are approximate only, and as they make no distinction between the earlier and the later years of a school course, the weights given to the various subjects in determining the question of a candidate's fitness for admission with conditions on less than a complete record will not necessarily be strictly proportional to these ratings. In admitting students with conditions, the Committee on Admission take into account not only the number of units in which a student passes, but also the quality of his work as shown both by his examinations and by his school record. It is impossible, therefore, to define the requirements for admission with conditions in terms of units. The requirements for admission without conditions are defined above in terms of units and grades, but the requirements for admission with conditions vary with individual records. The Committee on Admission consider each case on its merits.

Candidates who are looking forward to the extended study of English or of any other modern literature are advised to acquire a knowledge of Greek as well as of Latin.

NEW PLAN

Candidates for Admission to Harvard College may apply for admission either by the plan described above or by the following alternative plan. This new plan does not take the place of the old plan, it provides another method of admission for good scholars.

To be admitted to Harvard College a candidate

1. Must present evidence of an approved school course satisfactorily completed, and
2. Must show in four examinations as explained below that his scholarship is of a satisfactory quality.

SCHOOL RECORD

A candidate must present to the Committee on Admission evidence of his secondary school work in the form of an official detailed statement showing

- (a) The subjects studied by him and the ground covered;
- (b) The amount of time devoted to each,
- (c) The quality of his work in each subject.

To be approved, this statement must show

- (a) That the candidate's secondary school course has extended over four years,
- (b) That his course has been concerned chiefly with languages, science, mathematics, and history, no one of which studies has been omitted,
- (c) That two of the studies of his school programme have been pursued beyond their elementary stages

THE EXAMINATIONS

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary school course, he may present himself for examinations in four subjects as follows —

- (a) English
- (b) Latin, *or*, for candidates for the degree of S B, French or German, or Spanish *
- (c) Mathematics, or Physics, or Chemistry
- (d) Any subject (not already selected under (b) or (c)) from the following list —

Greek	Spanish	Physics
French	History	Chemistry
German	Mathematics	

These four examinations must be taken at one time, either in June or in September.

These examinations under the title of "Comprehensive Examinations" will be conducted by the College Entrance Examination Board at all places in which Board examinations are held.

INSTRUCTIONS TO APPLICANTS FOR ADMISSION UNDER THE NEW PLAN

Candidates for admission under the New Plan are required to show in their examinations the full extent of their school training in the subjects they choose for examination. If a candidate chooses Mathematics, for example, for one of his four subjects, and if he has had in school instruction

* A candidate who presents French or German or Spanish as his required foreign language may qualify for registration as a candidate for the degree of A B by an examination in either Elementary Greek or Elementary Latin taken either before or after his admission examinations, or by passing in College an appropriate course in either Greek or Latin.

in Mathematics beyond Algebra and Plane Geometry, he will be required to choose from the questions on the paper a certain number drawn from the Advanced Mathematics he has studied. The examiner in every subject will be furnished with a copy of the school record of every candidate who presents himself for examination in his subject, and will be required to return to the Committee on Admission a judgment of the candidate's paper, in which he takes into account the length of time the candidate has studied the subject and the amount of ground covered. The examiner will in each case return a written judgment based on a comparison of the candidate's book with his school record in the subject.

To be admitted under the New Plan, a candidate's total record (school record and examination record) must be such as to show clearly that he is a desirable student. There will be no counting by subjects under the New Plan, nor crediting of separate subjects. A candidate will be admitted to College, or will be refused admission. If he presents himself as an applicant for admission again by the New Plan, it must be in some subsequent year, and he must be examined anew, irrespective of previous examinations.

ADMISSION OF FOREIGN STUDENTS

The principles of the New Plan of Admission will be applied in admitting students from foreign countries in which English is not the native language—

(a) By accepting in place of the school record ordinarily required a certificate that the applicant has completed a school course which entitles him to enter a university in his own country.

(b) By furnishing an examination in the native language of the applicant in place of the examination in English ordinarily prescribed, and by accepting an examination in English for the foreign language prescribed for all candidates.

Such students must take two other examinations, one of which must be Mathematics, or Physics, or Chemistry.

All candidates for the degree of A.B. must be examined in an ancient language.

IMPORTANT NOTICE

In view of the fact that an applicant must send his registration blank for examinations and fee to the Secretary of the College Entrance Examination Board not later than a specified date (see pp. 172-173) it will be necessary for him to submit his school record to the Harvard Committee on Admission at a still earlier date.

All persons who wish to enter Harvard by the New Plan should send transcripts of their school records to the Chairman of the Committee on

Admission as early as possible in the school year in which they hope to enter Harvard.

Blank forms for this purpose may be obtained on application to the Chairman of the Committee on Admission, 20 University Hall, Cambridge

GENERAL REGULATIONS

Candidates for admission by the New Plan must make application for admission to examination. They should submit their school records for approval well in advance of the examinations and are advised to submit their records for provisional approval as early as possible in their last school year. Blank forms will be furnished on request.

Candidates for admission by the Old Plan are required to apply for admission on blank forms which may be obtained from the Chairman of the Committee on Admission, 20 University Hall, and are required to furnish with their applications official statements of their preparation. No candidate will be accepted as a Final candidate unless it clearly appears by his record that he will have at the time he takes his examinations a preparation which may fairly be presumed to cover a school course sufficient for admission by the Old Plan.

All candidates for admission whether by the New or the Old Plan must take the examinations of the College Entrance Examination Board. Candidates for admission by the New Plan will take the examinations known as Comprehensive examinations.

Registration and Fees for Board Examinations — Every candidate for examination in June, 1918, in any one or more of the subjects in which examinations are offered by the College Entrance Examination Board, is required to file an application with the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N. Y. The blank form for this application will be mailed to any teacher or candidate on request. A specimen of the candidate's handwriting will form a necessary part of the application.

If the application is received sufficiently early the examination fee will be \$5.00 for candidates examined in the United States and Canada and \$15.00 for candidates examined outside of the United States and Canada. The fee, which must accompany the application, should be remitted by postal order, express order, or draft on New York to the order of the COLLEGE ENTRANCE EXAMINATION BOARD.

The applications and fees of candidates who wish to be examined outside of the United States and Canada must reach the Secretary of the Board at least six weeks in advance of the first day of the examinations, that is, on or before Monday, May 6, 1918.

The applications and fees of candidates who wish to be examined in the United States at points west of the Mississippi River, or in Canada, must be received at least four weeks in advance of the examinations, that is, on or before Monday, May 20, 1918

The applications and fees of candidates who wish to be examined in the United States at points east of the Mississippi River or on the Mississippi River must be received at least three weeks in advance of the first day of the examinations, that is, on or before Monday, May 27, 1918.

When the candidate has failed to obtain the required blank form of application for examination, the usual examination fee will be accepted if the fee arrive not later than the specified date, accompanied by a memorandum containing the name and address of the candidate, the exact examination centre selected, and a list of all the subjects in which he may have occasion to take the Board's examinations.

In order to facilitate the making of arrangements for the proper conduct of the examinations, it is desired that all applications be filed as early as possible

The fee must be paid by all applicants, whether they intend to present themselves for examination in one subject or in several subjects.

A candidate for examination in two or more successive years will be required to pay an examination fee each year.

Related Applications. — Applications received later than the dates named in the preceding article will be accepted when it is possible to arrange for the admission of the candidates concerned, *but only upon the payment of five dollars in addition to the regular fee*

Receipt for Fee — Upon receiving the examination fee the Secretary will mail to the candidate an acknowledgment authorizing the candidate to take the Board's examinations. This receipt must be preserved by the candidate and exhibited, but not surrendered, to the local Supervisor in immediate charge of the conduct of the examinations as evidence of his right to be admitted to the same

Should the candidate lose the receipt for his examination fee, or for any reason desire the issue of a duplicate receipt, a charge of twenty-five cents will be made for the issue of such duplicate receipt.

Return of Fees. — The fee of a candidate for examination in June, 1918, whose application has been accepted by the Secretary, can under no circumstances be returned unless the request for the cancellation of the application and the return of the fee reaches the Secretary on or before Monday, June 10, 1918

Division of Examinations — A candidate for admission under the Old Plan may divide his examinations among several examination periods. If he takes any examinations one year or more before the year in which he

completes his admission record, he is known as a "Preliminary Candidate," and his examinations are spoken of as "preliminary examinations."

Certificates. — The College does not accept certificates of secondary schools in place of entrance examinations. The testimony of teachers is, however, highly valued and is given special consideration in all cases in which the evidence of examinations appears inconclusive. On the receipt of each registration for final examinations, a blank form will be sent to the headmaster of the school, requesting the candidate's record and any facts about his character and scholarship which will be helpful to the Committee on Admission.

Certificates of Honorable Dismissal — Every candidate for admission is required to furnish a certificate of honorable dismissal from the school or college he has attended, or from the tutor with whom he has studied. If a candidate has within a year left one school for another, or for a private tutor, any certificate received from the second school or private tutor must be accompanied by the written consent of the principal of the first school.

Good English — Particular attention is called to the fact that the habitual use of good English is required in all subjects throughout the entrance examinations. However excellent in substance, no examination will be considered entirely satisfactory unless it is free from elementary errors in spelling, usage, punctuation, grammar, sentence-structure, and paragraphing. It is improbable that candidates will be able to satisfy this requirement unless they have been trained in school to regard their work in every subject as an opportunity for the use of correct and idiomatic English. In dealing with foreign languages, idioms strange to English should be especially avoided. When the answers are of considerable length candidates are advised to plan them before they begin to write. In every case, they are urged to save the last few minutes of the examination for the revision and correction of details.

Students in the College whose work in any course is defective in the matter of English are reported to the Committee on the Use of English by Students; they may be required to receive special instruction which will not count for a degree.

Laboratory Examinations — A candidate who is examined in any study in which a laboratory examination is held will hand in his laboratory notebook at the hour of the laboratory examination.

A candidate for admission under the Old Plan examined in June at any place where a laboratory examination is not provided for Old Plan candidates will be required to take such an examination in Cambridge in the autumn of the year in which he enters College, but if he passes the written examination in June, the subject will be temporarily counted in his favor in determining the question of his admission to College.

A candidate for admission under the Old Plan who has passed only the

receives the grade called "provisional pass." *This grade holds good only until the opening of the year in which he enters College. If he has not at that time completed his record, he is conditioned in the subject, and to remove that condition later he must pass both the written and the laboratory examination.*

TIME-SCHEDULE OF BOARD EXAMINATIONS USED FOR ADMISSION TO HARVARD COLLEGE

JUNE 17-22, 1918

If a candidate should find it necessary to take two examinations on the same half-day, one examination must follow immediately after the other, with an interval, if the candidate request it, not exceeding ten minutes. During this brief interval the candidate will not be permitted to leave the examination room or to communicate with any one except the Supervisor in charge of the Examinations.

Candidates should report to the local Supervisor in immediate charge of the conduct of the Examinations at least fifteen minutes in advance of the time set for the beginning of the first examination that they expect to take.

Before presenting themselves for examination, candidates must have a clear understanding as to the particular examinations that they should take. For example, a candidate on Monday morning must know whether he should take the examination Mathematics A, Mathematics A1, or Mathematics A2, and on Thursday morning whether he is to take one or two History examinations, and, if two, in what order. The local Supervisor in charge of the conduct of the Examinations cannot assume the responsibility of deciding for candidates which examinations they should take. The ultimate authority upon this question rests with the university, college, or scientific school that the candidate wishes to enter, and the candidate is advised to examine carefully the latest catalogue or announcement of that institution.

Monday, June 17.

8 45 A.M. to 9 30 A.M. Period for Registration of Candidates

9.30 A.M. Mathematics A, Elementary Algebra complete (three hours).

Mathematics A1, Algebra to Quadratics (two hours).

Mathematics A2, Quadratics and Beyond (two hours).

COMPREHENSIVE MATHEMATICS (three hours).

1.45 P.M. to 2 P.M. Period for Registration of Candidates.

2 P.M. Mathematics C, Plane and Solid Geometry combined (three hours).

Mathematics C, Plane Geometry (two hours).

Mathematics D, Solid Geometry (two hours).

Tuesday, June 18.

8 45 A M. to 9 A M Period for Registration of Candidates.

9 A M English 1, Grammar and Composition (two hours).

English 2, Literature (two hours)

COMPREHENSIVE ENGLISH (three hours)

1 45 P M to 2 P M Period for Registration of Candidates

2 P M Mathematics B, Advanced Algebra (two hours)

Mathematics E, Plane and Spherical Trigonometry (two hours)

Wednesday, June 19

8 45 A M to 9 A M Period for Registration of Candidates.

9 A M Latin 1, Grammar (one hour)

Latin 2, Elementary Prose Composition (one hour).

Latin 4, Cicero and Sight Translation of Prose (two hours)

Latin 124, Latin 1, 2, and 4 combined (three hours)

Latin 6, Advanced Prose Composition (one hour)

COMPREHENSIVE LATIN (three hours).

1 45 P M to 2 P M Period for Registration of Candidates

2 P M Latin 5, Virgil and Sight Translation of Poetry (two hours).

COMPREHENSIVE CHEMISTRY (three hours)

Thursday, June 20

8 45 A M. to 9 A M Period for Registration of Candidates.

9 A M History A, Ancient (two hours).

History B, Mediaeval and Modern (two hours)

History C, English (two hours)

History D, American and Civil Government (two hours).

History E, Modern European (two hours)

Civil Government (two hours).

COMPREHENSIVE HISTORY (three hours).

1 45 P M to 2 P M. Period for Registration of Candidates.

2 P M French A, Elementary — First and Second Years (two hours)

French B, Intermediate — Third Year (two hours).

French BC, Intermediate and Advanced — Third and Fourth
Years (two hours).

Spanish, Elementary — First and Second Years (two hours).

COMPREHENSIVE FRENCH (three hours)

COMPREHENSIVE SPANISH (three hours).

Friday, June 21

8 45 A M to 9 A M Period for Registration of Candidates

9 A M German *A*, Elementary — First and Second Years (two hours)

German *B*, Intermediate — Third Year (two hours).

German *BC*, Intermediate and Advanced — Third and Fourth Years (two hours)

COMPREHENSIVE GERMAN (three hours)

1 45 P M to 2 P M. Period for Registration of Candidates.

2 P M Biology (two hours)

Botany (two hours)

Chemistry (two hours)

Geography (two hours)

Physics (two hours)

Zoology (two hours).

COMPREHENSIVE PHYSICS (three hours)

Saturday, June 22

8 45 A M to 9 A M Period for Registration of Candidates.

9 A M Freehand Drawing (two hours)

Mechanical Drawing (two hours)

Greek *A2*, Elementary Composition (one hour)

Greek *F*, Advanced Composition (one hour).

Greek *B*, Xenophon's *Anabasis* (two hours)

Greek *G*, Sight Translation of Prose (two hours).

Greek *BG*, Xenophon and Sight Translation (two hours)

COMPREHENSIVE GREEK (three hours).

1.45 P M to 2 P M Period for Registration of Candidates.

2 P M. Greek *CH*, Homer's *Iliad* and Sight Translation (two hours).

SEPTEMBER 16-19, 1918

In September, 1918, examinations will be held in Cambridge only, and in those subjects only in which examinations are given according to the New Plan. The papers will be similar to the Comprehensive papers of June. The time-schedule will be as follows. —

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>
September 16	September 17	September 18	September 19
9 A M.-12 M.	9 A M.-12 M.	9 A M.-12 M.	9 A M.-12 M.
English	Latin	Elementary Mathematics	History
2 P M.-5 P M.	2 P M.-5 P M.	2 P M.-5 P M.	2 P M.-5 P M.
Physics	French	German	Greek
Chemistry	Spanish		Advanced Mathematics

Partial List of Examination Centres for June, 1918 — The following list, which is given to forestall a considerable number of inquiries, contains some of the more important places at which the Board will hold examinations in June, 1918. —

Alabama, Birmingham.

Arkansas, Little Rock

California, Berkeley, Los Angeles.

Colorado, Denver.

Connecticut, Bridgeport, Danbury, Derby, Hartford, Middletown, New Haven, Norwich, South Norwalk, Stamford, Waterbury, Winsted.

Delaware, Wilmington

District of Columbia, Washington

Florida, Jacksonville.

Georgia, Atlanta, Savannah.

Idaho, Boise

Illinois, Chicago, Peoria

Indiana, Indianapolis

Iowa, Davenport, Des Moines, Dubuque.

Kentucky, Louisville

Louisiana, New Orleans.

Maine, Bangor, Portland.

Maryland, Baltimore.

Massachusetts, Amherst, Beverly, Boston, Cambridge, Fall River, Fitchburg, Great Barrington, Lowell, New Bedford, Newburyport, Northampton, South Hadley, Springfield, Tufts College, Wellesley, Williamstown, Worcester

Michigan, Detroit

Minnesota, Minneapolis

Missouri, Kansas City, St. Louis.

Montana, Butte, Helena

Nebraska, Omaha.

New Hampshire, Concord, Hanover, Manchester

New Jersey, Asbury Park, East Orange, Montclair, Newark, New Brunswick, Passaic, Plainfield, Princeton, Trenton

New York, Albany, Brooklyn, Buffalo, Elmira, Ithaca, New York, Peekskill, Poughkeepsie, Rochester, Syracuse, Utica

North Carolina, Asheville

Ohio, Cincinnati, Cleveland, Columbus, Dayton, Toledo, Youngstown

Oregon, Portland

Pennsylvania, Erie, Harrisburg, Philadelphia, Pittsburgh, Reading, Scranton.

Rhode Island, Newport, Providence, Westerly.

South Carolina, Charleston

Tennessee, Memphis, Nashville
Texas, Austin, Dallas, El Paso, Houston
Utah, Salt Lake City.
Vermont, Bellows Falls, Burlington, Rutland.
Virginia, Richmond, Roanoke.
Washington, Seattle, Spokane.
Wisconsin, Milwaukee
Hawaii, Honolulu.

STUDIES IN WHICH EXAMINATIONS ARE HELD

1. ENGLISH (OLD PLAN)

The study of English in school has two main objects: (1) command of correct and clear English, spoken and written, (2) ability to read with accuracy, intelligence, and appreciation.

GRAMMAR AND COMPOSITION

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school, and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, sentences, and paragraphs, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise letter-writing, narration, description, and easy exposition and argument. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

LITERATURE

The second object is sought by means of two lists of books, headed respectively *Reading* and *Study*, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and be encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

(a) *Reading*

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except as otherwise provided under Group I —

Group I Classics in Translation — The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther, the Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII, the Iliad, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI, the Aeneid. The Odyssey, Iliad, and Aeneid should be read in English translations of recognized literary excellence.

For any selection from this group a selection from any other group may be substituted.

Group II. Shakspeare — *Midsummer Night's Dream*, *Merchant of Venice*, *As You Like It*, *Twelfth Night*, *The Tempest*; *Romeo and Juliet*, *King John*, *Richard II*, *Richard III*, *Henry V*, *Coriolanus*, *Julius Caesar**, *Macbeth**, *Hamlet* *

Group III Prose Fiction — Malory's *Morte d'Arthur* (about 100 pages), Bunyan's *Pilgrim's Progress*, Part I, Swift's *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag), DeFoe's *Robinson Crusoe*, Part I, Goldsmith's *Vicar of Wakefield*, Frances Burney's *Evelina*, Scott's *Novels* (any one), Jane Austen's *Novels* (any one), Maria Edgeworth's *Castle Rackrent*, or *The Absentee*, Dickens's *Novels* (any one), Thackeray's *Novels* (any one), George Eliot's *Novels* (any one); Mrs Gaskell's *Cranford*; Kingsley's *Westward Ho!* or *Hereward*, the *Wake*; Reade's *The Cloister and the Hearth*; Blackmore's *Lorna Doone*, Hughes's *Tom Brown's Schooldays*, Stevenson's *Treasure Island*, or *Kidnapped*, or *Master of Ballantrae*, Cooper's *Novels* (any one), Poe's *Selected Tales*, Hawthorne's *The House of the Seven Gables*, or *Twice-Told Tales*, or *Mosses from an Old Manse*, a collection of *Short Stories* by various standard writers.

Group IV. Essays, Biography, etc. — Addison and Steele's *The Sir Roger de Coverley Papers*, or *Selections from the Tatler and Spectator* (about 200 pages), Boswell's *Selections from the Life of Johnson* (about 200 pages); Franklin's *Autobiography*, Irving's *Sketch Book* (about 200 pages), or *Life of Goldsmith*, Southey's *Life of Nelson*, Lamb's *Essays of Elia*

* If not chosen for study under (b)

(about 100 pages), Lockhart's *Life of Scott* (about 200 pages); Thackeray's *Lectures on Swift, Addison, and Steele in the English Humourists*; Macaulay's *Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay* (any one), Trevelyan's *Life of Macaulay* (about 200 pages), Ruskin's *Sesame and Lilies*, or *Selections* (about 150 pages), Dana's *Two Years before the Mast*; *Selections from Lincoln*, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and the Letter to Horace Greeley, together with a brief memoir or estimate, Parkman's *The Oregon Trail*, Thoreau's *Walden*, Lowell's *Selected Essays* (about 150 pages), Holmes's *The Autocrat of the Breakfast Table*; Stevenson's *An Inland Voyage*, and *Travels with a Donkey*, Huxley's *Autobiography*, and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*, a collection of *Essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson*, and later writers, a collection of *Letters by various standard writers*

Group V. Poetry — Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns, Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under *b*); Goldsmith's *The Traveller*, and *The Deserted Village*, Pope's *The Rape of the Lock*, a collection of *English and Scottish Ballads*, as, for example, some *Robin Hood ballads*, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Bewick and Grahame* *Sir Patrick Spens*, and a selection from later ballads; Coleridge's *The Ancient Mariner*, *Christabel*, and *Kubla Khan*, Byron's *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*, Scott's *The Lady of the Lake*, or *Marmion*, Macaulay's *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*, Tennyson's *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*, Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Phenippides*, *My Last Duchess*, *Up at a Villa — Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "*De Gustibus*" —, *Instans Tyrannus*, *Arnold's Sohrab and Rustum*, and *The Forsaken Merman*, *Selections from American Poetry*, with special attention to Poe, Lowell, Longfellow, and Whittier.

(b) *Study*

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of

allusions The books provided for study are arranged in four groups, from each of which one selection is to be made

Group I Drama — Shakspeare's Julius Caesar, Macbeth, Hamlet

Group II Poetry — Milton's L'Allegro, Il Penseroso, and either Comus or Lycidas, Tennyson's The Coming of Arthur, The Holy Grail, and The Passing of Arthur, the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's Golden Treasury (First Series)

Group III Oratory — Burke's Speech on Conciliation with America, Macaulay's Two Speeches on Copyright, and Lincoln's Speech at Cooper Union, Washington's Farewell Address, and Webster's First Bunker Hill Oration.

Group IV Essays — Carlyle's Essay on Burns, with a selection from Burns's Poems, Macaulay's Life of Johnson; Emerson's Essay on Manners.

EXAMINATION

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature

In grammar and composition the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors The main test in composition will consist of one or more essays, developing a theme through several paragraphs, the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections He will not be expected to write more than four hundred words per hour.

The examination in literature will include: —

A. General questions designed to test such a knowledge and appreciation of literature as may be gained by fulfilling the requirements defined above under (a) *Reading* The candidate will be required to submit a list of the books read in preparation for the examination, certified by the principal of the school in which he was prepared, but the books named in this list will not be made the basis of detailed questions

B. A test on the books prescribed for (b) *Study*, above, which will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an

understanding of the works, and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

ENGLISH (NEW PLAN)

The examination in English will cover the usual ground of the examinations in 1, Grammar and Composition, and 2, Literature. The purpose of this examination will be to test the ability of the candidate to write clearly and correctly, and to show that he has read, understood, and appreciated a sufficient amount of English literature. The paper will contain some questions that cannot be answered except by candidates who are able to apply what they have learned to the solution of unexpected problems. Success in the examination will not necessarily depend upon a knowledge of the subject-matter of the particular books prescribed in the "Uniform Entrance Requirements in English," though no candidate who has been intelligently prepared under these requirements should find himself at any disadvantage.

GREEK (OLD PLAN)

ELEMENTARY GREEK

The examination will be adapted to the proficiency of those who have studied Greek in a systematic course of five exercises a week, extending through at least *two* school years.

The examination will consist of the following papers of the Board, both of which must be taken at one examination period.

A 2. Elementary Prose Composition, consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions.

BG. Xenophon, and Sight Translation of Prose of no greater difficulty than Xenophon's *Anabasis*.

ADVANCED GREEK

The examination will be adapted to the proficiency of those who have studied Greek in a systematic course of five exercises a week, extending through at least *three* school years. The second part of the examination (Greek Composition) is optional, but candidates are advised to try this part of the paper, since a fair translation will offset deficiencies in the preceding part.

The examination will consist of questions on the *Iliad*, Books I-III, and of passages from Homer to be translated at sight.

The estimate of the periods of study necessary to prepare for the elementary and advanced examinations in Greek is based on the assumption that the candidate has begun the study of Latin at least a year earlier, and has continued it along with his Greek course, otherwise the periods specified would not be sufficient.

In preparation for the elementary examination in Greek, candidates should read from 180 to 170 pages* of Attic prose. For the advanced examination candidates should read from 3000 to 5000 verses of Homer. The reading of Homer may be advantageously begun with a thorough study of *Iliad*, Books I and II (to the catalogue of ships).

The pupil should be constantly guided in proper methods of reading, and trained to read the Greek, intelligently, as Greek, before undertaking to render it into idiomatic English. There should be constant practice in reading aloud, with due expression, and in hearing the language read. In connection with the reading, to ensure thoroughness and accuracy in the pupil's understanding of the language, the study of grammar, with some practice in writing Greek, should be maintained throughout the course. There should also be frequent written translations into idiomatic English.

To prepare for the examination in Greek Composition, pupils should be trained, from an early stage of the preparatory course, to render into Greek, not merely detached sentences, illustrative of constructions, but also passages of connected narrative or description, prepared by the teacher on the basis of the prose authors read.

GREEK (NEW PLAN)

The examination will be adapted to the proficiency of those who have studied Greek in a systematic school course of five exercises a week, extending through two or three school years.

The paper will include passages of simple Attic prose and of Homer, to be translated at sight, upon which questions will be based to afford the candidate means of showing his mastery of the ordinary forms, constructions and idioms of the language. The paper will also include passages in English to be turned into Greek, and questions on prosody and on the Homeric poems and on Homeric Life.

LATIN (OLD PLAN)

The following requirements in Latin are in accordance with the recommendations made to the American Philological Association by the Commission on College Entrance Requirements in Latin, October, 1909.†

I. AMOUNT AND RANGE OF THE READING REQUIRED

1. The Latin reading, without regard to the prescription of particular authors and works, shall be not less *in amount* than Caesar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias, Virgil, *Aeneid*, I-VI.

* The pages of the more recent Teubner text editions are taken as a standard in this statement.

† This Commission and its work are described in the Tenth Annual Report of the Secretary of the College Entrance Examination Board, pages 4-7.

2. The amount of reading specified above shall be selected by the schools from the following authors and works—Caesar (Gallic War and Civil War) and Nepos (Lives), Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War), Virgil (Bucolics, Georgics, and Aeneid) and Ovid (Metamorphoses, Fasti, and Tristia)

II SCOPE OF THE EXAMINATIONS

1 *Translation at Sight*. Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading*. Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Virgil, Aeneid, I, II, and either IV or VI, at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3 *Grammar and Composition*. The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose.

SUGGESTIONS CONCERNING PREPARATION

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded, and from the form and the position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphor. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well, for this work the prose authors already studied should be used as models.

ELEMENTARY LATIN (OLD PLAN)

The requirements in Elementary Latin may be met by Latin *Cp* 3 of the Comprehensive Examinations or by the following examinations of the Board —

Grammar. — The examination will presuppose the reading of the required amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).

Elementary Prose Composition — The examination will presuppose the reading of the required amount of prose (see I, 1 and 2), including the prose works prescribed (see II, 2).

Cicero (orations for the Manilian Law and for Archias) and Sight Translation of Prose — The examination will presuppose the reading of the required amount of prose (see I, 1 and 2)

or

Virgil (Aeneid, I, II, and either IV or VI, at the option of the candidate) and Sight Translation of Poetry The examination will presuppose the reading of the required amount of poetry (see I, 1 and 2).

ADVANCED LATIN (OLD PLAN)

The requirements in Advanced Latin may be met by Latin *Cp* 4 of the Comprehensive Examinations or by the following examinations of the Board. —

Cicero (orations for the Manilian Law and for Archias) and Sight Translation of Prose — The examination will presuppose the reading of the required amount of prose (see I, 1 and 2).

or

Virgil (Aeneid, I, II, and either IV or VI, at the option of the candidate) and Sight Translation of Poetry The examination will presuppose the reading of the required amount of poetry (see I, 1 and 2).

The candidate will take that paper which he did not offer for Elementary Latin

Advanced Prose Composition

LATIN (NEW PLAN)

The examination will be adapted to the proficiency of those who have studied Latin in a systematic school course of five lessons each week, extending through three or four years

The Comprehensive Examinations in Latin for June and September, 1918, will consist of the following five parts —

- I *A* Translation at sight of simple Latin prose, with questions on Formal Grammar
- B* Simple Latin composition
- II *A* Translation at sight of simple Ciceronian prose, with questions on grammatical and historical matters
- B* Translation at sight of simple Latin verse, with questions on prosody and on literary matters
- C* Elementary Latin composition
- III Translation at sight of more difficult Ciceronian prose, with questions on grammatical, historical, and literary matters
- IV Translation at sight of more difficult Latin verse, with questions on prosody, on poetic usage, and on literary matters
- V More difficult Latin composition

Candidates who have studied Latin *four* years or more (*Cp* 4) will take Parts III, IV, and V

Candidates who have studied Latin *three* years (*Cp* 3) will take Part I *A* and either Part II *A* and *C* or II *B* and *C*

FRENCH (OLD PLAN)

The requirements in French follow the recommendations of the Committee of Twelve of the Modern Language Association of America.*

ELEMENTARY FRENCH

The Aim of the Instruction

At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French

* The Report of the Committee of Twelve, which was submitted in December, 1898, may be obtained in separate book form from D C Heath & Co. The lists of texts at present given in the requirements of the College Entrance Examination Board were recommended by a committee of the Modern Language Association in December, 1910.

simple English sentences taken from the language of every-day life or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar as defined below

The Work to be Done

During the first year the work should comprise

- 1 Careful drill in pronunciation
- 2 The rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural nouns, the inflection of adjectives, participles, and pronouns, the use of personal pronouns, common adverbs, prepositions, and conjunctions, the order of words in the sentence, and the elementary rules of syntax
- 3 Abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression
- 4 The reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English) and in reproducing from memory sentences previously read
- 5 Writing French from dictation.

Suitable texts for the first year are A well-graded reader for beginners, Bruno, *Le tour de la France*, Compayré, *Yvan Gall*; Laboulaye, *Contes bleus*, Malot, *Sans famille*.

During the second year the work should comprise.

- 1 The reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches
2. Constant practice, as in the previous year, in translating into French easy variations upon the texts read.
- 3 Frequent abstracts, sometimes oral and sometimes written, of portions of the text already read
- 4 Writing French from dictation
- 5 Continued drill upon the rudiments of grammar, with constant application in the construction of sentences.
6. Mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

Suitable texts for the second year are: Daudet, *Le Petit Chose*; Erckmann-Chatrian, stories, Halévy, *L'Abbé Constantin*, Labiche et Martin, *Le voyage de M. Perrichon*; Lavissee, *Histoire de France*.

ADVANCED FRENCH

(REPRESENTED BY THE BOARD EXAMINATION IN INTERMEDIATE
FRENCH)

The Aim of the Instruction

At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course

The Work to be Done

This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read, the study of a grammar of moderate completeness; writing from dictation

Suitable texts for the third year are Bazin, *Les Oberlé*, Dumas, novels, Mérimée, *Colomba*, Sandeau, *Mlle. de la Seiglière*, Torqueville, *Voyage en Amérique*.

FRENCH (NEW PLAN)

The examination will be adapted to the proficiency of those who have studied French in school for two or three years or more

The paper will include passages of French prose and verse of varying degrees of difficulty to be translated into simple and idiomatic English. It will also contain passages in English of varying degrees of difficulty to be translated into French, and questions on grammar. Opportunity will also be given for those who have had special training in French to show their ability to express themselves in that language

GERMAN (OLD PLAN)

The requirements in German follow the recommendations of the Committee of Twelve of the Modern Language Association of America.*

* The Report of the Committee of Twelve, which was submitted in December, 1898, may be obtained in separate book form from D C Heath & Co. The lists of texts at present given in the requirements of the College Entrance Examination Board were recommended by a committee of the Modern Language Association in December, 1910.

ELEMENTARY GERMAN

The Aim of the Instruction

At the end of the elementary course in German the pupil should be able to read at sight, and to translate, if called upon, by way of proving ability to read, a passage of very easy dialogue or narrative prose, help being given upon unusual words and construction, to put into German short English sentences taken from the language of every-day life or based upon the text given for translation, and to answer questions upon the rudiments of the grammar, as defined below.

The Work to be Done

During the first year the work should comprise

1. Careful drill upon pronunciation.
2. The memorizing and frequent repetition of easy colloquial sentences
3. Drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of every-day life, of adjectives, pronouns, weak verbs and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order.
4. Abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression
5. The reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read

Suitable texts for the first year* are. After one of the many Readers especially prepared for beginners,—Meissner's *Aus meiner Welt*; Blüthgen's *Das Peterle von Nurnberg*; Storm's *Immensee*, or any of Baumbach's short stories.

During the second year the work should comprise

1. The reading of from 150 to 200 pages of literature in the form of easy stories and plays.
2. Accompanying practice, as before, in the translation into German of easy variations upon the matter read and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages.

* During each year at least six German poems should be committed to memory.

- 3 Continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to state his knowledge correctly in the technical language of grammar

Suitable texts for the second year* are Gerstacker's *Germelshausen*; Eichendorff's *Aus dem Leben eines Taugenichts*, Wildenbruch's *Das edle Blut*, Jensen's *Die braune Erica*, Seidel's *Leberecht Hühnchen*; Fulda's *Unter vier Augen*, Benedix's *Lustspiele* (any one). For students preparing for a scientific school a scientific reader is recommended.

ADVANCED GERMAN

(REPRESENTED BY THE BOARD EXAMINATION IN INTERMEDIATE GERMAN)

The Aim of the Instruction

At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical, to put into German a connected passage of simple English, paraphrased from a given text in German, to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation, and to translate and explain (so far as explanation may be necessary) a passage of classical literature taken from some text previously studied

The Work to be Done

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation

Suitable texts for the third year* are. Heyse's, Riehl's, Keller's, Storm's, Meyer's, Ebner-Eschenbach's, W Raabe's *Novellen* or *Erzählungen*, Schiller's *Wilhelm Tell*; Freytag's *Die Journalisten*, Heine's *Harzreise*.

* During each year at least six German poems should be committed to memory

GERMAN (NEW PLAN)

The examination will be adapted to the proficiency of those who have studied German in school for two or three years or more

The paper will include passages of German prose or verse, or both, of varying degrees of difficulty, to be translated into simple and idiomatic English. It will also contain passages in English of varying degrees of difficulty to be translated into German, and questions on grammar. Opportunity will also be given to those who have had special training in German to show their ability to express themselves in that language

SPANISH (OLD PLAN)

The requirement in Spanish, which follows the form and spirit of the recommendations made for French and German by the Committee of Twelve of the Modern Language Association, is based upon recommendations made by a committee of that Association in December, 1910.

The Aim of the Instruction

At the end of the elementary course the pupil should be able to pronounce Spanish accurately, to read at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of every-day life or based upon a portion of the Spanish text read, and to answer questions on the rudiments of the grammar, as indicated below

The Work to be Done

During the first year the work should comprise:

1. Careful drill in pronunciation
2. The rudiments of grammar, including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax
3. Exercises containing illustrations of the principles of grammar.
4. The careful reading and accurate rendering into good English of about 100 pages of easy prose and verse, with translation into Spanish of easy variations of the sentences read.
5. Writing Spanish from dictation

During the second year the work should comprise:

1. The reading of about 200 pages of prose and verse.
2. Practice in translating Spanish into English, and English variations of the text into Spanish.

3. Continued study of the elements of grammar and syntax.
4. Mastery of all but the rare irregular verb forms and of the simpler uses of the modes and tenses.
5. Writing Spanish from dictation.
6. Memorizing of easy short poems

The emphasis should be placed on careful thorough work with much repetition rather than upon rapid reading. The reading should be selected from the following: A collection of easy short stories and lyrics, carefully graded, Juan Valera, *El pájaro verde*, Perez Escrich, *Fortuna*; Ramos Carrión and Vital Aza, *Zaragueta*, Palacio Valdés, *José*, Pedro de Alarcón, *El Capitán Veneno*, the selected short stories of Pedro de Alarcón or Antonio de Trueba

Every secondary school in which Spanish is taught should have in its library several Spanish-English and English-Spanish dictionaries, the all-Spanish dictionary of the Royal Spanish Academy, one or more manuals of the history of Spanish literature, such as that by Fitzmaurice-Kelly, and Ticknor's *History of Spanish Literature*

SPANISH (NEW PLAN)

The examination will be adapted to the proficiency of those who have studied Spanish in school for two or three years

The paper will include passages of Spanish prose or verse, or both, of varying degrees of difficulty, to be translated into simple and idiomatic English. It will also contain passages in English of varying degrees of difficulty to be translated into Spanish, and questions on grammar. Opportunity will also be given for those who have had special training in Spanish to show their ability to express themselves in that language

HISTORY (OLD PLAN)

The requirements in History A, B, C, D, and E are based on the recommendations of the Committee of Seven of the American Historical Association.

A. *Ancient History*, with special reference to Greek and Roman History, and including also a short introductory study of the more ancient nations and the chief events of the early Middle Ages, down to the death of Charlemagne (814) (1).

In the judgment of the Department of History it is desirable that Ancient History be offered as a part of the preparation of every candidate.

B. Mediaeval and Modern European History, from the death of Charlemagne to the present time (1).

C. English History (1)

D. American History and Civil Government (1).

**E. Modern European History, including English* (1)

The examinations in history will be framed so as to require the use of both judgment and memory on the pupil's part. They will presuppose the use of good text-books, collateral reading, and practice in written work. Geographical knowledge will be tested by requiring the location of places and movements on an outline map.

The Report of the Committee of Seven, which appeared in the Proceedings of the American Historical Association for 1898, was published separately under the title, "Study of History in Schools," by The Macmillan Company in 1899. It was incorporated in the Report made to the National Education Association in 1899 by the Committee on College Entrance Requirements.

The attention of teachers is called also to the report of the Committee of Five of the American Historical Society, "The Study of History in Secondary Schools" (New York, The Macmillan Company, 1911). The examiners of the Board will endeavor to frame the examination papers on the five fields of work defined above in accordance with the recommendations of this committee.

HISTORY (NEW PLAN)

The paper will consist of five divisions, made up of questions on Ancient History, Mediaeval and Modern History, English History, Modern European History (including English History from 1760), and American History (including Civil Government). The questions on each division will be partly prescribed and partly optional. If the candidate has studied but one of these divisions, he will be expected to answer the prescribed questions on that division, one of them being a map question. He should spend about two hours on these prescribed questions and should devote the remaining hour to the optional questions on the same division. If, on the other hand, the candidate has studied two or more of these divisions, he will be expected to answer, in addition to the prescribed questions on one of these divisions, questions on such other divisions as he may have studied.

In reading the papers, account will be taken of the year of the school programme in which the subject has been studied. As further evidence of a candidate's efficiency, note-books may be submitted.

* This examination may not be taken by those who take Mediaeval and Modern History or English History.

CIVIL GOVERNMENT (OLD PLAN)

Civil Government — Civil Government in the United States (national, state, and local), its constitution, organization, and actual working

The candidate will be expected to show, on examination, such general knowledge of the field as may be acquired from the study of a good textbook of not less than three hundred pages, supplemented by collateral reading, and discussion. The examination will call for familiarity with constitutional questions and with the procedure of legislative bodies.

For preparation in this subject, a course of study equivalent to at least three lessons a week for one year will be necessary.

MATHEMATICS (OLD PLAN)

A thorough practical acquaintance with ordinary Arithmetic is assumed as underlying all preparation in Mathematics. Knowledge of the fundamental principles of Arithmetic and careful training in accurate computation with whole numbers and with vulgar and decimal fractions form an essential part of early school work. But the pupil's time should not be wasted in the solution by arithmetic of puzzling problems which properly belong to algebra, or in complicated and useless reductions, or in the details of commercial arithmetic. It is desirable that some familiarity with algebraic expressions and symbols, including the methods of solving simple equations, be acquired in connection with the course in Arithmetic.

In Algebra the student should cover carefully the whole ground, and should acquire a thorough understanding not only of the practice, but of the reasons involved in the elementary algebraic rules, for example, in the rules of multiplication, of signs, and of exponents, in the rules for fractions, and in those relating to the reduction and solution of equations. He should train himself to practical skill by the solution of a large number of examples, and should learn to do his work with reasonable quickness, as well as with confidence, accuracy, and cleanness. The solution of fairly complicated literal quadratics, the various methods of elimination for equations of the first two degrees, the putting of problems in a neat manner into equations, and the working of the various algebraic operations both for integral and fractional expressions may be mentioned as important subjects of attention. The student should be taught to arrange his work in a clear, orderly, and compact fashion.

The time supposed to be devoted to the systematic study of the requirement in Algebra is the equivalent of a course of three lessons a week through two school years.

Geometric education should begin in the kindergarten or primary school, where the child should acquire familiarity through the senses with simple geometric forms, by inspecting, drawing, modelling, and measuring them, and noting their more obvious relations. This study should be followed, in the grammar school, by systematic instruction in Concrete (or Observational) Geometry, of which geometric drawing should form a part. Such instruction should include the main facts of Plane and Solid Geometry, treated as matters of observation, and not as exercises in logical deduction, without however necessarily excluding the beginnings of deductive proof as soon as the pupil is ready for them. Concrete Geometry is believed to have important educational value, and to prepare an excellent foundation for the later study of Formal Geometry. It belongs, however, to the earlier stages of school work, and should not be postponed until the time that belongs to direct preparation for the college.

In teaching Formal Geometry, stress should be laid from the outset on accuracy of statement and elegance of form, as well as on clear and strict reasoning. As soon as the pupil has begun to acquire the art of rigorous demonstration, his work should cease to be merely receptive, he should be trained to devise constructions and demonstrations for himself, and this training should be carried through the whole of the work in Plane Geometry. Teachers are advised, in their selection of a text-book, to choose one having a clear tendency to call out the pupil's own powers of thought, prevent the formation of mechanical habits of study, and encourage the concentration of mind which it is a part of the discipline of mathematical study to foster. The subject of Geometry, not a particular treatise, is what the pupil should be set to learn; and its simpler methods and conceptions should be made a part of his habitual and instinctive thought. Lastly, the pupil should be stimulated to good work by interest in the study felt and exhibited by the teacher.

The time which it is recommended to assign to the systematic study of the requirement in Formal Geometry is the equivalent of a course of five lessons a week for one school year, but it is believed to be advisable to extend this allowance of time over two years.

The present definition of the requirements in Mathematics is in accordance with recommendations made in September, 1903, by a committee of the American Mathematical Society.*

ELEMENTARY ALGEBRA

The four fundamental operations for rational algebraic expressions

Factoring, determination of highest common factor and lowest common multiple by factoring

Fractions, including complex fractions, and ratio and proportion

Linear equations, both numerical and literal, containing one or more unknown quantities

Problems depending on linear equations.

Radicals, including the extraction of the square root of polynomials and of numbers.

Exponents, including the fractional and negative

Quadratic equations, both numerical and literal.

Simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations.

Problems depending on quadratic equations.

The binomial theorem for positive integral exponents

The formulas for the n th term and the sum of the terms of arithmetical and geometric progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some

* The Report of the Committee of the American Mathematical Society on Entrance Requirements in Mathematics was published in the *Bulletin of the American Mathematical Society* for November, 1903, Vol. IX, No. 2.

of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

ALGEBRA TO QUADRATICS

The first seven topics described under Elementary Algebra

QUADRATICS AND BEYOND

The last five topics described above under Elementary Algebra

ADVANCED ALGEBRA

Permutations and combinations, limited to simple cases

Complex numbers, with graphical representation of sums and differences

Determinants, chiefly of the second, third, and fourth orders, including the use of minors and the solution of linear equations

Numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes's rule of signs and Horner's method, but not Sturm's functions or multiple roots

PLANE GEOMETRY

The usual theorems and constructions of good text-books,* including the general properties of plane rectilinear figures; the circle and the measurement of angles, similar polygons, areas; regular polygons and the measurement of the circle.

The solution of numerous original exercises, including loci problems.

Applications to the mensuration of lines and plane surfaces.

SOLID GEOMETRY

The usual theorems and constructions of good text-books,* including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle.

The solution of numerous original exercises, including loci problems

Applications to the mensuration of surfaces and solids.

* The Board's examination questions in plane and solid geometry will be limited to propositions contained in the syllabus prepared by the National Committee of Fifteen appointed by the American Federation of Teachers of the Mathematical and Natural Sciences and the National Education Association. The Report of the Committee was published in *The Mathematics Teacher* for December, 1912. Reprints of the Report may be obtained gratis upon application to the Commissioner of Education, Department of the Interior, Washington, D. C.

TRIGONOMETRY

Definitions and relations of the six trigonometric functions as ratios, circular measurement of angles

Proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc., the transformation of trigonometric expressions by means of these formulas

Solution of trigonometric equations of a simple character.

Theory and use of logarithms (without the introduction of work involving infinite series).

The solution of right and oblique triangles and practical applications, including the solution of right spherical triangles.

At the examination candidates will be furnished with four-place tables *

MATHEMATICS (NEW PLAN)

The examination will be adapted to the proficiency of those who have had not less than the usual school course in Elementary Mathematics, comprising algebra through quadratics and plane geometry, and will also provide the means by which those who have extended their study to one or more branches of Advanced Mathematics, namely, solid geometry, logarithms and trigonometry, and advanced algebra, may exhibit their proficiency in any or all of these branches of mathematics. There will be two papers, one for those who have had no instruction beyond Elementary Mathematics, and one for those whose instruction has gone farther. Every candidate who has received instruction beyond Elementary Mathematics will be expected to take the paper containing questions on Advanced Mathematics, and to devote at least half his time to those questions which are based on the Advanced Mathematics he has studied.

PHYSICS (OLD PLAN)

A course of study dealing with the leading elementary facts and principles of Physics.

The instruction given in this course should accord with the following specifications —

- 1 The unit in Physics [full requirement] consists of at least 120 hours of 60 minutes each. [If this study is taken earlier than the last year of the school course, more time should be allowed for it.] Time spent in the laboratory shall be counted at one-half face value.

* "Four-Place Tables," abridged edition, compiled by E V Huntington (price, thirty-five cents, for sale by the Harvard Coöperative Society)

- 2 The course of instruction in Physics should include —

(a) The study of one standard text-book for the purpose of obtaining a connected and comprehensive view of the subject. The student should be given opportunity and encouragement to consult other scientific literature.

(b) Instruction by lecture table demonstrations to be used mainly for illustration of the facts and phenomena of Physics in their qualitative aspects and in their practical applications.

(c) Individual laboratory work, consisting of experiments requiring at least the time of 30 double periods [60 full hours in all]. The experiments performed by each student should number at least 30. Those named in the appended list are suggested as suitable. [This reference is to the Board List, which is not here reproduced, candidates for Harvard may use the Board List or the Harvard Descriptive List.] The work should be so distributed as to give a wide range of observation and practice.

The aim of the laboratory work should be to supplement the pupil's fund of concrete knowledge and to cultivate his power of accurate observation and clearness of thought and expression. The exercises should be chosen with a view to furnishing forceful illustrations of fundamental principles and their practical applications. They should be such as yield results capable of ready interpretation, obviously in conformity with theory [not so inaccurate or uncertain as to obscure the principles they are intended to illustrate], and free from the disguise of unintelligible units.

Slovenly work should not be tolerated, but the effort for precision should not lead to the use of apparatus or processes so complicated as to obscure the principle involved.

- 3 Throughout the whole course special attention should be paid to the common illustrations of physical laws and to their industrial applications.
- 4 In the solution of numerical problems the student should be encouraged to make use of the simple principles of algebra and geometry to reduce the difficulties of solution. Unnecessary mathematical difficulties should be avoided and care should be exercised to prevent the student's losing sight of the concrete facts, in the manipulation of symbols.

The Examination.—The candidate is required to pass both a written examination and a laboratory examination.

The laboratory examination, in the course of which oral questioning may be freely used, will require performance by the candidate of a number of experiments assigned to him at the time by the examiner, the range of assignment being limited by the following provision. The candidate must name as the basis for his laboratory examination at least thirty exercises selected from a list of about fifty, described in a publication issued by the University under the title *Descriptive List of Elementary Exercises in Physics*.*

This laboratory examination may occupy the candidate from one and a half to two and a half hours, no time limit, as a rule, being set for it.

The candidate is required to present a note-book in which he has recorded the steps and the results of his laboratory exercises, and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. It should

* This list may be obtained, price 40 cents, at 2 University Hall, Cambridge.

In place of the Harvard Descriptive List, the revised list of the College Entrance Examination Board, as adopted in 1909, may be used, but, as the Board List gives titles only, the Harvard examiners must decide in any given case whether the exercises offered are satisfactory.

contain a table of contents of the exercises which it describes. These exercises need not be the same as those upon which the candidate presents himself for the laboratory examination, but should be equivalent to them in amount and grade of quantitative work.

The note-book is required as proof that the candidate has formed the habit of keeping a full and intelligible record of laboratory work through an extended course of experiments, and that his work has been of such a character as to raise a presumption in favor of his preparation for the examination. But much greater weight will be given to the laboratory examination than to the note-book in determining the candidate's attainments in physics. Experience has shown that pupils can make the original record of their observations entirely presentable, so that copying will be unnecessary, and they should in general be required to do so.

PHYSICS (NEW PLAN)

The examination, which will consist of both a written and a laboratory test, will be adapted to the proficiency of those who have had such a course of school training in the elementary facts and principles of physics as is described in the detailed definition of Physics (Old Plan). In order to make due allowance for diversity of instruction in different schools, the paper will contain more questions than the candidate is expected to answer.

CHEMISTRY (OLD PLAN)

A course of systematic instruction in the principles of Chemistry and their application.

The candidate is required to pass both a written and a laboratory examination. The preparation required for the written examination may be found in the Revised Requirements in Chemistry issued by the College Entrance Examination Board. The preparation required for the laboratory examination is the performance by the student of not less than forty experiments of good length and quality similar in character and scope to those given in the requirements mentioned above. The candidate is further required to present the original note-book in which he recorded the steps and results of the experiments which he performed at school, and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. It should contain an index of the exercises which it describes. Experiments not offered for examination must be plainly designated. This note-book is required as proof that the candidate has formed the habit of keeping a full and intelligible record of laboratory work made during the actual progress of his experiments. The original record of all data and observations should be presented. Greater weight will be given to the laboratory examination than to the note-book in determining the candidate's attainments in Chemistry.

CHEMISTRY (NEW PLAN)

The examination, which will consist of both a written and a laboratory test, will be adapted to the proficiency of those who have received systematic instruction in the principles of Chemistry and their applications in a school course in which laboratory experiments are performed by the pupil. In order to make due allowance for diversity of instruction in different schools, the paper will contain more questions than the candidate is expected to answer, and will require the recognition in isolated facts or applications of Chemistry, of the phenomena and of the laws that are of general significance, and the illustration of such phenomena and laws by well-chosen examples. It will include not only questions on the Chemistry of laboratory practice but also, in an elementary fashion, questions on the Chemistry of the household and of industry.

Every candidate will be required to take a laboratory examination and to present a note-book as described above under the definition of Chemistry (Old Plan).

GEOGRAPHY (OLD PLAN)

Geography — A course of study equivalent to that described in the outline of requirements in Geography published by the College Entrance Examination Board.

BIOLOGY, BOTANY, ZOOLOGY (OLD PLAN)

A course of study and laboratory work equivalent to that indicated in an outline of requirements in Biology, Botany, Zoology, issued by the College Entrance Examination Board.

In Biology, in Botany, and in Zoology the candidate will be required to pass both a written and a laboratory examination. The written examination will test the range and thoroughness of his knowledge of the subject. The laboratory examination will test his skill in observation and experimentation, and his ability to apply names properly to the parts of the organisms studied.*

At the time of the laboratory examination the candidate must present the original note-book containing (with dates) the notes and drawings he has made in the course of his laboratory work, and bearing the endorsement of his teacher, certifying that the book is a true record of the pupil's own observations and experiments. An index of subjects should be appended.

DRAWING (OLD PLAN)

A course of drawing, in either or both of the following branches, equivalent to that described in the outline of requirements in Drawing, issued by the College Entrance Examination Board.

Freehand Drawing. — The representation of simple objects, in outline and with shading.

* For rules relating to laboratory examinations and note-books, see p. 174.

The candidate's preparation in drawing should be directed toward training him in accurate observation and in definite and truthful representation of form, without attempt to represent color or color values.

The candidate should be able to draw correctly and with lines of good quality simple forms in correct perspective in the size in which it is felt in the plane of the drawing, or larger or smaller. It is recommended that pupils should be taught to draw from the object itself rather than from the flat.

Correctness of proportion and accuracy in the angles and curves and structural relations of the parts of every object drawn are of the highest importance.

The elementary principles of perspective are to be thoroughly learned, and the candidate should be able to apply them in freehand drawing from the object or from the imagination.

No definite prescription as to method of teaching is made. The examination will test the preparation of the candidate in the following points:—

1. Ability to sketch from the object with reasonable correctness as to proportion, structure and form. It is recommended that the subjects drawn include simple geometrical objects and simple natural objects, such as living plant forms.
2. Ability to sketch freehand from dictation with reasonable accuracy any simple geometrical figure or combination of figures.
3. Ability to represent accurately in perspective a simple geometrical solid of which projection drawings are given, and ability to make consistent projection drawings of a simple geometrical solid of which a perspective representation is given.
4. Ability to answer questions in regard to the principles involved in making these drawings.

Mechanical Drawing — A course in drawing equivalent to that described in the definition of requirements in *Mechanical Drawing* published by the College Entrance Examination Board.

OPTIONAL EXAMINATIONS AND ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing either (a) by examination, or (b) from other colleges and scientific schools without examination.

ANTICIPATION OF COLLEGE STUDIES BY EXAMINATION

Students who have extended their studies beyond the requirements for admission may present themselves for additional examinations in (a) the prescribed studies of the Freshman year, and (b) in German *C*, 1a, 1b, 2a, 2b, Semitic 1, 2, Music 1, 2, Mathematics *D*, *E*, and *K*, provided the candidate in each case satisfies the Department concerned that he has an adequate preparation for the examination.

An anticipatory examination is regularly counted, on petition, toward a student's degree provided he completes the work for his degree in three or three and a half years, and takes his degree then or secures leave of absence until the class with which he entered graduates. Ordinarily, however, that is in the case of a student who takes four years for his work, an anticipated

course is not counted toward his degree save in exceptional circumstances, *e g*, serious sickness or the like. For a four-year student to count an anticipated course toward his degree requires a special vote of the Administrative Board.

Examinations in Prescribed Freshman Studies

1. *English* — The examination in English *A*. The examination will be adapted to the proficiency of those who have studied English composition and literature in a systematic course of three school hours or periods a week for four years. The corresponding course in Harvard College aims to give thorough training in English composition and to prepare students to write expositions, arguments, and narratives of 1500–2000 words. The examination will include, therefore, besides questions on rhetoric and on literary history from the time of Shakespeare, a composition to which not less than two hours will be allotted on some topic out of a list drawn from English literature, from other studies, and from the candidate's own experience. In this composition the candidate will be expected to show, besides accuracy in spelling, punctuation, grammar, and the use of words, some skill in the use of sentences, clear and firm paragraphing, and command of the principles of structure.

2. *German or French* (whichever the student did not offer for admission) — The admission examinations in Elementary German and Elementary French. Students who wish to anticipate the prescribed German or French of the Freshman year by means of these examinations must give notice in advance, and must attain a satisfactory grade (*C* or higher) in their examination to count the subject anticipated in the reduction of the number of courses they must take in College.

Examinations in Elective Studies

Students who wish to anticipate by examination the work of the elective courses mentioned above must secure permission to take anticipatory examinations. Examinations when given will correspond in length and character to regular College examinations, and will be held in June and in the first fortnight of the academic year. Requests to be allowed to take such examinations must be in the hands of the Chairman of the Committee on Admission not later than May 1 or September 10.

ADMISSION FROM OTHER COLLEGES AND SCIENTIFIC SCHOOLS

Students who have completed creditably the work of at least one year at other colleges or scientific schools may be admitted without examination to the standing for which their previous training seems to qualify them.

Every person wishing to enter under this provision must make a complete written statement of the work on which he bases his application. Blank forms of application for admission may be obtained from the Chairman of the Committee on Admission.

Much importance is attached to the quality of the work offered. On the receipt of an application the Chairman of the Committee on Admission will correspond with the college attended by the applicant and request his entire record.

CANDIDATES FOR DEGREES OUT OF COURSE

A student, originally a member of a class which has graduated, returning to complete the requirements for a degree "as of" his original class, is registered as a "candidate for a degree out of course." The amount of work prescribed for such a student is determined in each case by the Administrative Board.

UNCLASSIFIED STUDENTS

Students admitted to Harvard College from other colleges as candidates for the degree of A B or S B, when they cannot be assigned immediately to any particular class, are placed in a group by themselves and called Unclassified Students.

REGISTRATION

Every student is required to register at a place announced on the official bulletin board at University Hall on Monday, the first day of the academic year, between 10 A M and 6 P M.

Every student is required to register after his last recitation before the Christmas recess and before the April recess.

Every student is required to register between 9 A M. and 1.30 P.M. on the first week day after the Christmas recess and after the April recess.

COLLEGE EXERCISES

Regular attendance at College exercises is required.

A student who in an emergency is called away by his parents or guardian must inform the Recorder (orally if possible) before leaving Cambridge. Immediately on his return he must report to the Recorder.

A student who is sick should at once notify the Medical Adviser, who in cases of serious illness will inform the Recorder.

(No student whose absences are excused at the Dean's office is, on that account, relieved from responsibility for the performance of any part of

the work in his courses required during the period of his absence The effect of absence upon a grade in a course is in every case determined by the instructor)

A student who neglects any course may be excluded from the course by the instructor with the approval of the Dean

A student who has failed in a prescribed course must make up the deficiency in some subsequent year by doing the regular work of the course

To obtain credit in a course of study, or to count the course towards fulfilment of the requirements for a degree, the student must have attended both the mid-year and the final examination This rule applies to all students, including suspended students and students on leave of absence.

A student who has been absent from a mid-year examination, and has satisfied the Recorder that his absence was caused by serious illness or other unavoidable hindrance, is entitled to a second and last opportunity of passing the examination in the week immediately following the April recess, provided he make written request for such examination before March 1

A student who, having taken the mid-year examination in any course of study, has been absent from the final examination, and has satisfied the Recorder that his absence was caused by serious illness or other unavoidable hindrance, is entitled to a second and last opportunity of passing the examination at some time during the first fortnight of the ensuing academic year, provided he make written request for such examination before September 10

No student is permitted to take any books or papers into an examination room except by express direction of the instructor No communication is permitted between students in an examination room on any subject whatever

If a student is tardy at an examination, he may be refused admission and reported as absent

CHOICE OF STUDIES

GENERAL REGULATIONS

A student is required to choose his courses for each year from among the courses offered by the Faculty of Arts and Sciences, and, if he is a candidate for a degree, they must be chosen in accordance with the rules for concentration and distribution.

To be admitted to any course he must have fulfilled all the requirements for that course as stated in the Announcement, or otherwise satisfied the instructor that he is prepared to pursue it.

Every student must make his election so as to avoid conflict between the hours appointed for recitations or examinations in the courses which he chooses. No student will be examined in two courses of the same exami-

nation group, excepting half-courses not given in the same half-year, and a few courses specially mentioned in the Announcement

The courses for Undergraduates and Graduates are, under certain limitations, which are named in notes attached to the courses in the Announcement, open to any properly qualified student. But no starred (*) course may be taken by any student without the previous consent of the instructor.

The courses primarily for Graduates are open to College Students only on the written recommendation of the instructor. The Courses of Research and Seminary Courses may not be taken by any student without the previous consent of the instructor, and an undergraduate may not take in one year more than one Course of Research or Seminary Course.

A student in regular standing in Harvard College may obtain admission to a course offered in any other department of the University by presenting an application to the Dean of that department, and giving to the proper instructor satisfactory evidence of qualification.

ENROLMENT

Every student is required to hand in, on the first Tuesday of the academic year, before 6 P M., at a place to be announced on the bulletin boards, a list of his studies, both prescribed and elective, *which begin in the first half-year*. This list must be written on a card provided for the purpose, and it must be signed by his adviser. *Additional* studies (see p. 212) must be included in the list, but *extra* studies (see p. 213) must not be included. At the same time and on the same card, every College student is required to enroll himself in each study to be pursued by him, whether prescribed or elective, which begins in the first half-year. An instructor may refuse to admit to a course a student who is not present at the first meeting.

On or before the first Monday of the second half-year every student must hand in, on a card provided for the purpose, a list of all the courses, both prescribed and elective, which he takes in that half-year, including those continued from the first half. The manner of enrolment is the same as that prescribed for first half-year courses in the first half.

On the first of May every student except those who are candidates for degrees in the following June shall hand in a list of studies amounting to three full courses which he will take in the next academic year. Petitions to make changes in courses chosen on the first of May should be in the hands of the Secretary of the Committee on the Choice of Electives on or before the first Tuesday of the first half-year. After that day no courses chosen on the first of May and beginning in the first half-year may be changed unless for some important reason, such as a change in the Elective Pamphlet. All other petitions to change any first half-year electives must be filed on or before the second Saturday of the first term. Petitions to change second

half-year electives must be filed on or before the second Saturday of that term. When a change (adding or dropping a course) is allowed on any petition filed later than the second Saturday of either term, a \$5.00 fee must be paid for the change. No course once elected shall be changed without the consent of the Committee on the Choice of Electives.

Any change made later than the third Saturday of the academic year (in the case of courses beginning with the second half-year the third Saturday of that half-year) requires the payment of the fee established for additional courses.

A course will not count for the degree unless it is chosen at one of the three regular times of election or unless it is specially allowed after petition to the Committee on the Choice of Electives, nor may any course be dropped without the permission of the Committee.

RULES FOR THE CHOICE OF ELECTIVE STUDIES

I. Every student is required to select his courses under the guidance of an adviser associated with a standing committee of nine, the Committee on the Choice of Electives, of which the President is Chairman. At or before the beginning of the Freshman year he must meet his adviser to discuss the studies of the first year. At the end of his first year in College he is required to present to his adviser a plan of study for the remainder of his college course, this plan must conform to the general principles laid down in the following rules.

II. Every student shall take at least six of his courses in some one department, or in one of the recognized fields for distinction. In the latter case four must be in one department. Only two of the six may be courses open to Freshmen or distinctly elementary in character. (For the special rules governing concentration in the Division of History, Government, and Economics, see page 215.)

III. For purposes of distribution all the courses open to undergraduates shall be divided among the following four general groups. Every student shall distribute at least six of his courses among the three general groups in which his chief work does not lie, and he shall take in each group not less than one course, and not less than three in any two groups.

The groups are. —

1. Language, Literature, Fine Arts, Music.

Departments. Semitic Languages and History, Indic Philology, the Classics, English, Germanic Languages and Literatures, French and other Romance Languages and Literatures, Comparative Literature, the Fine Arts, Music, also courses in Egyptology and in Slavic Languages.

2 Natural Sciences

Departments Physics, Chemistry, Engineering Sciences, Botany, Zoology, Geology and Geography, Mineralogy and Petrography, also courses in Astronomy, in Hygiene and Sanitation, and in the History of Science

3 History, Political and Social Sciences

Departments History, Government, Economics, Education, Anthropology

4 Philosophy and Mathematics

Departments Philosophy and Psychology, Social Ethics, Mathematics, also certain philosophical courses outside of the Department of Philosophy and Psychology .

IV Prescribed work shall not count either for concentration or distribution

V A student may not count a course both for concentration and distribution

VI In administering these rules the Committee, in accordance with the instructions of the Faculty, makes exceptions freely in the case of earnest students who desire to change at a later time the plans made in their Freshman year, and liberal allowances for earnest students who show that their courses are well distributed, even though they may not conform exactly to the rules laid down for distribution In making exceptions to the rules, a student's previous training and outside reading are taken into account.

FRESHMAN YEAR

PRESCRIBED STUDIES

Rhetoric and English Composition (English *A*); prescribed for those who have not passed the admission examination called English *A* *Three times a week*

A candidate for admission who passes the admission examination in English called English *A* is exempt from the prescribed English of the Freshman year (English *A*), but if he passes it with Grade *D* he is required to take before the end of his second year a half-course in English Composition (English *D*) in addition to his regular elective courses

German, prescribed for those who have not passed the admission examination in Elementary German, or who, admitted under the new plan, cannot show that they have satisfactorily completed it *Three times a week*.

French; prescribed for those who have not passed the admission examination in Elementary French, or who, admitted under the new plan, cannot show that they have satisfactorily completed it *Three times a week.*

For the rule concerning the prescribed oral examination in French or German, see page 211

Any student for whom both French and German are prescribed may postpone one of these studies until his Sophomore year, or may remove the prescription in one of these subjects by passing an admission examination therein before the opening of his second year in College

ELECTIVE STUDIES

In addition to the prescribed studies named above, every Freshman for whom German or French is prescribed is required to take elective studies amounting to *three full courses*, and every other Freshman is required to take elective studies amounting to *four full courses*. No Freshman may elect more than two courses in the same subject except by special permission of the Dean

The following elective courses are regularly open to such Freshmen as are qualified to take them —

Greek *G, A, B, E* (half-course), [*1a* (half-course)], [*1b* (half-course)].

Latin *A, B, E* (half-course)

English *B* (not counted toward a degree), 28; and to those who have anticipated English *A*, any course in English is open, on the same terms as to Sophomores.

German *B* (equivalent to German *A* and a full course of elective work),
1a, 1b, 1c, F (half-course), *2a, 2b.*

French 1, 2, 3.

Italian 1, or Spanish 1.

Fine Arts 1*d*.

Music 1.

Physics *B, C*, 1.

Chemistry *A, B* (half-course)

Botany 1 (half-course).

Zoölogy 1 (half-course).

Geology 4 (half-course), 5 (half-course) on passing Course 4.

Geography 1 (half-course).

Meteorology 1 (half-course).

History 1

Government 1.

Philosophy *A* (half-course), *B* (half-course), *C* (half-course).

Psychology *A* (half-course).

Mathematics *A, C, D* (half-course), *E* (half-course), *G* (half-course),
K (half-course)
Military Science and Tactics 1 (half-course)

Economics *A* Ordinarily this course should not be taken until the Sophomore year, but, with the consent of the Instructor, it may be elected by a Freshman

A Freshman will not be admitted to any course not regularly open to Freshmen unless he passes an entrance examination which proves his fitness for it, or obtains the consent of the Instructor and of the Chairman of the Department

No study presented in satisfaction of the requirements for admission may be counted as College work. A student who has failed at his admission examinations in any study taught in College may make good the deficiency either by taking the corresponding course as an *additional study* (see p 212), or by merely passing the mid-year and final examinations in the course, provided that in the latter case he give notice of his intention to the Recorder one month in advance. (In laboratory courses, however, the second plan is impracticable.)

The Administrative Board of the College may require Freshmen who have failed of promotion to make up their admission conditions before returning to College.

Freshmen will meet their advisers on the first Tuesday of the academic year, at hours and places of which due notice will be given. Every Freshman, after consulting his adviser, must write his choice of studies on a card which has been furnished by the registration officer.

ADMISSION CONDITIONS

Admission conditions received in June should be made up in the following September

A student who enters College conditioned may clear his record *either*

- I (a) If he is conditioned in a prescribed subject, by passing, **not later than the beginning of his third year in College**, the admission examination in that subject

The Administrative Board may, if it sees fit, in the case of a student conditioned in a prescribed subject, not duplicated by a course in Harvard College, allow such a student to remove his condition by passing the admission examination in that subject, after the beginning of his third year in College.

- (b) If he is conditioned in an elective subject, by passing, **not later than the beginning of his third year in College**, an admission examination in an elective subject. (Duplication of College work is not allowed)

or

- II By taking additional work in College (If a condition is in a prescribed subject, the work must be under the Department concerned)

A student who fails to remove his admission conditions before the beginning of his third year is placed on probation

STUDIES OF THE SOPHOMORE, JUNIOR, AND SENIOR YEARS

PREScribed STUDIES

English

Students who attain Grade *D* in English *A* and students who pass the combined examination in admission English and Freshman English (*English A*) with a grade lower than *C*, are required to take before the end of the Sophomore year a half-course in English Composition in addition to their regular elective work

Students who have failed to pass the prescribed English of the Sophomore year are required to make up this deficiency.

Good English is required both in spoken and in written work, not only in English courses but in all courses. Any student whose work is unsatisfactory in English, whether in the details of spelling or grammar or in the larger matter of clear expression of ideas, is reported to the Committee on the Use of English by Students, and may be required to receive special instruction intended to correct these deficiencies. Such special work will in no case be counted as a course for the degree.

French or German

Every candidate for a degree, except such an one as is described in the next paragraph, must pass, by the end of his second year, a special oral examination to test his power of translating either French or German. Opportunity to take this examination will be given (1) on entrance to College, (2) at the time of the Mid-Year and Final examinations, and (3) at such other times as may be convenient for the Departments. *A student who by the end of his second year has not passed this oral examination is thereby placed on probation*

A student who at the beginning of the second half of his second year has twice tried an oral examination may, during that half-year, receive instruction in a tutorial course in the language in which he intends to offer himself

for examination (which course will not count toward a degree) On completing this course he shall, before incurring the censure of probation for failure to pass an oral examination by the end of his second year, have one opportunity to present himself for a written examination in translation, on passing which examination he shall be relieved from the prescription of an oral examination

(A student who is irregular in attendance or remiss in his work in the tutorial course may be excluded from the course A student who is excluded from a tutorial course thereby forfeits his right to take a written examination)

ELECTIVE STUDIES

Every Sophomore, Junior, or Senior is required to take, in accordance with the rules for the choice of elective studies (p 207), *four elective courses* or an equivalent amount of courses and half-courses Without permission from the Dean, he shall take not less than the equivalent of three complete half-courses during either half-year

ADDITIONAL STUDIES

A student whose record of work performed is complete at the beginning of any year may take elective studies in excess of the amount required (see above), to an extent which shall give him a total of six courses, prescribed and elective, for that year, but no student shall take more elective work than the equivalent of six complete half-courses during either half-year, and for the purposes of this rule prescribed studies are counted like elective studies In each of the studies pursued under this provision the student assumes the same responsibility, and is entitled to the same privileges, as if his work were limited to the required amount He may, however, at any time reduce his work to the required amount, by a petition to the Committee on the Choice of Electives, but such reduction of work, if made later than the third Saturday of the academic year (in the case of courses beginning with the second half-year, the third Saturday of that half-year), does not relieve him from the payment of the fee for such additional course or courses No courses chosen on the first of May and beginning in the first half-year may be changed after the first Tuesday of the first half-year unless for some important reason, such as a change in the Elective Pamphlet Also, when a change is allowed on any petition filed later than the second Saturday of either term, a \$5 00 fee must be paid for the change (The payment of this fee does not exempt a student from the fees for additional courses mentioned above)

A student whose record is deficient at the beginning of any year is expected to pursue during the year such studies, in addition to those otherwise re-

quired, as may be necessary to make up that deficiency, or such part of the deficiency as the Dean may determine, in accordance with the Regulations these Additional Studies will be treated in respect to attendance and attainment of grades as part of his regular work, but for each course additional to the number regularly prescribed for a student without a deficiency he must pay the appointed fee in accordance with the provisions of the preceding paragraph. With the consent of the Dean, he may take additional studies beyond the amount necessary to make up his deficiency, under the conditions stated in the foregoing paragraph.

EXTRA STUDIES

A student who wishes, without assuming all the responsibilities of a regular study, to attend the instruction in any course, may do so on obtaining leave of the instructor but no record will be kept of his attendance, and he will receive no credit in the Collège books for work done in the course.

GRADES OF SCHOLARSHIP

The standing of every student in each of his courses is expressed, on the completion of the course, according to his proficiency, by one of five grades, designated respectively by the letters *A, B, C, D, E*

Grade *E* in any course denotes failure to fulfil the requirements of the course.

At the close of each academic year, a list of all the students who have attained Grade *A* or *B* in the courses given in that year under the authority of the Faculty of Arts and Sciences is printed, the course or courses in which each student attained distinction being indicated under his name. This list is sent to the father or guardian of every student in Harvard College, and may be obtained by other persons on application.

The complete record of each student's work (including notice of failure in any course) is sent, at the same time, to his father or guardian.

Every student is required to satisfy the instructor in each of his courses, in such way and at such times as the instructor may determine, that he is performing the work of the course in a systematic manner. The instructor will provide tests, with sufficient frequency to give effect to this regulation, and will at once report to the Recorder the names of any students who have not satisfied him that they are doing their work systematically.

Any instructor, with the approval of the Dean, may at any time exclude from his course a student who in his judgment has neglected the work of the course. Such exclusion shall be reported to the Administrative Board at its next meeting. A student who has been excluded from any course may be required to place himself under the direction of a person approved by the Dean.

In order to remain in good standing, a student is expected to keep his appointments and to maintain at November, at the Mid-Years, and at April a record as follows —

- (a) If he is a Freshman, a Sophomore, or a Junior, a record which, were it final, would at least entitle him to promotion,
- (b) If he is a Senior, a record which, were it final, would at least fulfil the requirements for a degree

PROMOTION

(By the term academic year in these rules for promotion is meant the period from the opening of the college year in September until the following Commencement)

No student who in any academic year fails to pass in at least three courses with a grade above *D* in at least one of these will be readmitted to College except by special vote of the Administrative Board, based on evidence of some satisfactory work accomplished in the interval, or of illness or other exceptional circumstances

In order to be promoted to a higher class at the end of any academic year, a student must have passed in that year in at least three courses, with a grade above *D* in at least two of these, and have satisfied the following requirements —

For promotion to the Sophomore Class, he must have passed in College studies amounting to not less than *three* courses, in at least *two* of which his grade is above *D* (For promotion without a deficiency he should have a total of four courses, including French *A* or German *A*, if one of these is prescribed for him, and the prescribed English)

For promotion to the Junior Class, he must have passed in College studies amounting to not less than *seven* courses, in at least *five* of which his grade is above *D* (For promotion without a deficiency he should have a total of eight courses and the prescribed English)

For promotion to the Senior Class, he must have passed in College studies amounting to not less than *twelve* courses, in at least *eight* of which his grade is above *D* (For promotion without a deficiency he should have a total of twelve courses and the prescribed English)

A student who has failed of promotion or who has not by the beginning of his third year removed his admission conditions, or passed an oral examination in German or French, is placed on probation.

CONCENTRATION IN HISTORY, GOVERNMENT, AND
ECONOMICS

Students concentrating in the Division of History, Government, and Economics will, at the close of their college course and as a prerequisite to the degree of A B or S B, be required to pass an examination upon the field of their concentration. This examination will cover the general attainments of each candidate in the field covered by this Division and also his attainments in a specific field of study. The examination will consist of three parts —

(a) A general examination, designed to ascertain the comprehensive attainment of the candidate in the subjects of this Division. The paper will be the same for all students, but there will be a large number of alternative questions to allow for differences in preparation.

(b) A special examination, which will test the student's grasp of his chosen specific field. The candidate will be expected to show a thorough understanding of the subject of this field, knowledge of the content of courses only will not suffice. The examination will be upon a *subject*, not upon a *group of courses*.

(c) An oral examination, supplementary to either or both of the written examinations, but ordinarily bearing primarily upon the candidate's specific field.

A list of the specific fields will be found in the special announcement of the Division.

The requirement for concentration in a department or field of distinction demands in this Division four courses in one department, either History, Government, or Economics, and two additional courses selected from those offered by the Division. A student concentrating in Economics may select as the two additional courses related courses in Social Ethics. A student will not be allowed to count toward his six courses more than two of the introductory courses, History 1, Government 1, and Economics A. The election of these six courses should be made with a view to the requirements for the final examination, and the advice of his tutor should be sought in selecting these and any further courses in the Division.

The general final examination has been established, not in order to place an additional burden upon candidates for the A B, but for the purpose of securing better correlation of the student's work, encouraging better methods of study, and furnishing a more adequate test of real power and attainment. To this end students concentrating in the Division will from the beginning of their Sophomore year have the guidance and assistance of special Tutors. The work of these Tutors will be to guide students in their respective fields of study, to assist them in coordinating the knowledge derived from different

courses, and to stimulate in them the reading habit. Students will meet the Tutors in small groups and for individual conferences at intervals depending upon the nature of the student's work, the rate of his progress, and the number of courses which he may be taking in this Division in any particular year. The work of Tutors will be entirely independent of the conduct of courses, and the Tutors as such will have no control over the work or the grades of any student in any college course. Their guidance and assistance will naturally be of indirect benefit to the student in his work in individual courses, but their main function will be to help the student and guide him in the kind of reading and study which will be most useful toward his general progress in this Division. The attitude of the Tutor will be that of a friend rather than of a task-master, and students may consult him freely and informally concerning any phase of their work.

CONCENTRATION IN HISTORY AND LITERATURE

A student who wishes to concentrate in History and Literature must select at least six courses in the History and Literature of a specified period or country. For one or two of these, courses in Fine Arts or Philosophy may occasionally be substituted. At least four courses must be in the Department of History or in one department of literature, and no more than two courses may be regularly open to Freshmen. This selection must be approved by the Committee on the Degree with Distinction in History and Literature, and the student must pass a written and oral examination on his special field in order to obtain his degree.

SECOND-YEAR HONORS IN THE CLASSICS

Second-Year Honors of two grades — *Honors* and *Highest Honors* — are awarded by the Faculty of Arts and Sciences, on the recommendation of the Department of the Classics, and the award is printed in the Rank List and in the *University Catalogue*. These Honors are open to Sophomores, Juniors, and to Seniors who are not at the same time candidates for a Degree with Distinction; they are open to Freshmen by special permission only.

No one may be a candidate at graduation for Final Honors in the Classics* who has not taken Second-Year Honors.

Candidates for Second-Year Honors are required to register their names at the Recorder's office as early as *the first day of April* of the year in which they present themselves for examination. Candidates for these Honors will designate at the same time which elective courses they intend to offer in order to make up the number required.

* For exceptions see page 218

Second-Year Honors in the *Classics* are awarded on two conditions:

- (1) distinguished excellence in classical studies amounting to *four courses*;
- (2) distinction in special examinations. The special examinations test

(a) The candidate's ability to translate Greek and Latin at sight. (The passages set for this purpose are taken from the following writers only. Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Thucydides, Herodotus, Xenophon, Lysias, Plato, Demosthenes, Terence, Virgil,* Horace, Ovid, Caesar, Cicero, Nepos, Sallust, Livy, Tacitus.)

(b) His ability to write Greek and Latin prose.

(c) His knowledge of Greek and Roman history, antiquities, and mythology, of Greek and Roman literary history, so far as it relates to the writers named above, and of Greek and Latin grammar.

The special examinations for Honors, both Second-Year and Final, are held within the ten days immediately preceding the Final Examinations.

HONORS AT GRADUATION (FINAL HONORS)

Honors of two grades — *Honors* and *Highest Honors* — are awarded by the Faculty of Arts and Sciences, with the degree* of Bachelor of Arts or Bachelor of Science, or, in case of Special Students, with a Commencement certificate, for great proficiency in any of the following subjects: Semitic Languages and History, Indic Philology, the Classics; Literature; English; Germanic Languages and Literatures, Romance Languages and Literatures; Music, Mathematics, Chemistry, Geology.

GENERAL REGULATIONS IN REGARD TO FINAL HONORS

Every candidate for Honors must pass with distinction the regular examinations in the courses required of him; must pass, near the close of the Senior year, a special examination, conducted by a committee of the Faculty, to test the range and accuracy of his knowledge of the subject in which he offers himself for Honors, and must present such theses as may be called for.

Students who have failed to pass with distinction any of the examinations required for Honors may, with the consent of the Faculty, make up their deficiencies by passing such additional examinations as may be required of them, but no such permission is granted for failures occurring after the beginning of the Senior year. Grades attained in courses anticipated by examination are not counted towards Honors.

Honors, however, will be given to graduates not entitled to them at graduation who shall have complied with all the requirements for Honors

* Honors in Literature will be awarded at graduation only, but in other Departments Honors will be given to graduates not entitled to them at graduation who shall have complied with all the requirements for Honors within two years after graduation.

within two years after graduation. They may also be taken, at any time, with the degree of Master of Arts.

Every student who wishes to be regarded as a candidate for Honors at graduation must present a written application* to the Dean of the College before *November 1* in his Senior year. No application is granted without the written recommendation of the instructors in the Department or Division concerned.

The qualifications required for Honors in the several subjects are as follows —

1 SEMITIC LANGUAGES AND HISTORY

The candidate must have taken the equivalent of five courses, must present a satisfactory thesis, and must pass an oral examination.

2 INDIC PHILOLOGY

The candidate must have a knowledge of Greek at least equal to that required for passing the examination in Advanced Greek at admission and the examination in one elective course in addition, and must show a reading knowledge of Latin, German, and French. He must have taken the equivalent of five courses in Indic Philology. In lieu of one of these, the course in the Philosophical Systems of India may be offered, and in lieu of another, the course entitled "History of Religions in Outline." The courses entitled "Vedic Sanskrit," "Philosophical Sanskrit," and "Pāli" may be taken and counted twice. An oral examination and a thesis† are required.

3 THE CLASSICS

A candidate must offer himself in the five subjects stated in the requirements for the Degree with Distinction in the Classics. He must have taken Second-Year Honors in the Classics, but students admitted to College as Seniors, and students in their first year in the Graduate School of Arts and Sciences who are candidates for the degree of A M, may, on the recommendation of the Department of the Classics, upon evidence of good work done elsewhere, be admitted to candidacy without having taken Second-Year Honors. Candidates are urged to select with care appropriate courses.

* Blank forms of application may be obtained at the Recorder's Office.

† The subject of the thesis, with the certified approval of an instructor, must be reported in writing at the Recorder's Office, 4 University Hall, not later than the first day of the second half-year. The thesis, which should not exceed 7,500 words in length, must be handed in at the same place on or before *May 20*.

Both the report and the thesis should be plainly addressed in the case of Indic Philology, "To the Chairman of the Department of Indic Philology", in the case of English, "To the Chairman of the Department of English", in the case of German or of Romance Languages and Literatures, "To the Chairman of the Division of Modern Languages."

in subjects other than the Classics They are expected to consult some member of the Department with regard to their programme as a whole

4 LITERATURE

These Honors are administered by a Committee representing the Divisions of Ancient and Modern Languages Their purpose is to offer a plan to encourage the combination of reading in the Classics with reading in the Modern Languages, and an opportunity to count private reading as well as work done in connection with courses.

Not later than the end of his Junior year, the candidate must present, for the approval of the Chairman of the Committee on Honors in Literature, a programme of courses and subjects

The requirements are as follows —

1 A good reading knowledge of at least two languages, one Ancient and one Modern, besides English This knowledge, when not sufficiently indicated by the candidate's record in his courses, will be tested by a special written examination

2 An amount of reading in at least two literatures, one Ancient and one Modern, which shall be satisfactory to the Committee The total amount will ordinarily be equivalent to the reading done in six courses The authors from whom selections should be made are in general those now studied in the courses in literature in the two lower groups of the several departments. The reading need not be divided equally between Ancient and Modern Languages In so far as this reading has been done in connection with courses, the grades in those courses will be accepted as sufficient evidence; in so far as it has been done independently, either in term-time or in vacation, it will be tested in such way as the Committee may determine.

3. An acquaintance with the general history of two literatures, one Ancient and one Modern, to be tested by an examination

4 A thorough study of two special subjects, chosen by the candidate, with the approval of the Committee, from two different literatures, one Ancient and one Modern For these subjects written examinations will be provided By way of illustration, the following subjects are suggested: Homer, Plato; Plautus, Cicero, Chaucer and his Period, Shakspeare, the Lake Poets; Goethe, the German Romantic School, Ibsen, Montaigne, French Tragedy; Dante, Machiavelli, Cervantes, Turgenev

At the discretion of the Committee, a subject involving the study of more than one literature, and representing both the Ancient and the Modern side, may be counted as two subjects Examples of such subjects are Pastoral Poetry, the Popular Epic, the Influence of Aristotle on the Drama in any Modern Literature

The examinations will all be held towards the end of the candidate's Senior year. In addition to the written tests there will be a general oral examination on the selected fields of study

5 ENGLISH

The candidate must have taken elective work amounting to six courses, one of which must be a course in writing English. Courses in Comparative Literature which are included in the pamphlet of the Department of English may be counted for Honors in English. If a candidate has not taken English 3a, he must give evidence of his ability to read ordinary Anglo-Saxon prose. An oral examination and a thesis* are required.

Courses in Public Speaking (now English B and 10) are not counted for Honors in English.

6 GERMANIC LANGUAGES AND LITERATURES

In Germanic Languages and Literatures the candidate must have a reading knowledge of Latin and French and must have taken five courses in the Department, not more than one of which may be a course ordinarily open to Freshmen, and three other courses in the Divisions of Ancient and Modern Languages, from among those not ordinarily open to Freshmen (but Greek B and Latin B will be regarded as acceptable courses). Work done in other colleges or privately may be accepted as the equivalent of some of these courses.

The candidate must be able to write German with readiness and correctness; he must present a thesis* on a subject approved by the Division; and must pass an examination, orally and in writing, on the general field covered by his studies.

7. ROMANCE LANGUAGES AND LITERATURES

In Romance Languages and Literatures the candidate must have a reading knowledge of Latin and German and must have taken five courses in the Department, not more than one of which may be a course ordinarily open to Freshmen, and three other courses in the Divisions of Ancient and Modern Languages, from among those not ordinarily open to Freshmen (but Greek B and Latin B will be regarded as acceptable courses). Work done in other colleges or privately may be accepted as the equivalent of some of these courses.

The candidate must be able to read two of the Romance Languages and to write one of them with readiness and correctness. He must present a thesis* on a subject approved by the Division, and must pass an examination, orally and in writing, on the general field covered by his studies.

* See foot-note, page 218. The thesis, limited to 7,500 words, must be handed in at the Recorder's Office not later than May 1.

8. MUSIC

The candidate must have taken a majority of the technical and literary courses, and have passed all the examinations with distinction, he must also present original compositions in strict and free form

The ability to read French, German, and Italian is required of candidates for Honors in Music

9. MATHEMATICS

The Committee on Honors and Higher Degrees in the Division of Mathematics will recommend for Honors or Highest Honors students in the graduating class who have specially distinguished themselves in Mathematics. It will make such recommendations *on its own initiative*, without application from students

10. CHEMISTRY

The candidate must have taken five courses besides Course 8. Of Courses 2 and 5 only one may be counted. One full course in Mineralogy, chosen from among Courses 2, 7, and 8, may be counted, but not Chemistry A, 1a or B, or 1, and Mineralogy 2. No student is accepted as a candidate for Honors unless he has passed in both Courses 5 and 6, but only one of these courses need be presented among the five courses required.

11. GEOLOGY

The Division of Geology includes the subjects of Geology proper, Economic Geology, Palaeontology, Geography, Meteorology, Mineralogy and Petrography. The candidate must present his plan of study for approval by the Division not later than *October 10* of his final year of preparation. The student must attain distinction in work amounting to five full courses above the grade of those intended primarily for undergraduates. Any course under Geology S20 may be substituted for a corresponding 20 course within the Division of Geology.

DEGREES OF BACHELOR OF ARTS AND BACHELOR
OF SCIENCE

CONDITIONS OF CANDIDACY

In order to be recommended for the degree of Bachelor of Arts or Bachelor of Science, a candidate must have passed in studies amounting to sixteen courses, together with such work in English as may be prescribed for him, making a total of seventeen or seventeen and a half courses, as the case may be. He must, moreover, have attained a grade above *D* in at least two-thirds of all the work done by him in Harvard University in satisfaction of the requirements for the degree (if he is conditioned in grades he must secure

whatever additional number of grades above *D* the Committee on Admission prescribed at the time he was admitted), and in his Senior year have passed in not less than four courses with grades above *D* in at least two of them (or, in a single half-year, in not less than four half-courses, with grades above *D* in at least two of them) He must also fulfil the Rules for the Choice of Electives as stated on pages 207 and 208

A student in Harvard College must take, in each academic year, at least four courses, in addition to such work in English as may be prescribed for him, and (including his prescribed English) he may take six, but not more, as regular courses to be counted towards the degree Certain studies taken in the summer may also be counted towards the degree Accordingly, a student who enters the Freshman class without serious deficiency may complete the requisite number of courses in four, three and a half, or three years

A student may shorten the requisite period of residence and study by anticipating college studies at the time of his admission or by securing credit for work satisfactorily performed at another college, but no student will be recommended for the degree of Bachelor of Arts or Bachelor of Science until he has completed at least one year of residence and study as a candidate for that degree, and no student admitted to the Freshman class will be recommended for the degree until he has completed three years of residence and study In every case the final work in completion of the requirements for the degree must be done under the direction of the Faculty of Arts and Sciences

A candidate who has fulfilled all the requirements for the degree in three years and a half may receive his degree then (provided he file an application with the Recorder of Harvard College before February 1), or he may obtain, on petition, leave of absence until the following Commencement, when the degree will be conferred upon him A candidate who has completed all the requirements at the end of his third year and desires to graduate without further residence may, at his own option, either receive the degree at that time, or obtain leave of absence during his fourth year and take the degree at the end of that year

A student who satisfies the requirements for the degree of Bachelor of Arts or Bachelor of Science at the end of three years is permitted to have his name entered in the *Quinquennial Catalogue* under the year following, provided he file a written application for such entry with the Recorder of Harvard College before May 25 of the year in which the degree is to be conferred To each name thus entered in the *Quinquennial Catalogue* is affixed the date of the year in which the degree was actually conferred

Any student who has not complied with the requirements for a degree before the end of his College course may be recommended for a degree in

DEGREES WITH DISTINCTION

1 The Degree of Bachelor of Arts or Bachelor of Science with Distinction is awarded in three grades: with Distinction (*cum laude*), with High Distinction (*magna cum laude*), and with Highest Distinction (*summa cum laude*)

2. *Cum laude* on General Studies A candidate is recommended for the degree *cum laude* who has obtained grade *A* or *B* in nine courses, but courses regularly open to Freshmen count for this purpose only as half-courses. He must have obtained a grade above *D* in at least two-thirds of his remaining work

3. *Cum laude* on a Subject or Related Subjects A candidate is recommended for the degree *cum laude* who has completed a considerable amount of advanced work in some subject or related subjects, and who has been recommended on the ground of this work to the Faculty by a Division or a Department, or by a Special Committee* appointed by the Faculty for this purpose. He must have obtained a grade above *D* in at least two-thirds of his remaining work

4 *Magna cum laude* and *summa cum laude* A candidate otherwise qualified for the degree *cum laude* on a subject or related subjects is recommended for the degree *magna cum laude* or *summa cum laude* who has been recommended to the Faculty for either degree by a Division or a Department or by a Special Committee on the ground of high distinction. A candidate for a degree *summa cum laude* must show marked ability not only in his special field but also in studies outside his field of distinction. The recommendation of a candidate for this degree should come from the Department in which the candidate has specialized

5 The subject or related subjects in which the degrees *cum laude*, *magna cum laude*, and *summa cum laude* are conferred under sections 3 and 4 will be mentioned in the diploma and on the Commencement Programme.

6 A candidate who fails to obtain the degree with distinction in a subject or related subjects may nevertheless be recommended by the Division, Department, or Committee concerned for the degree without distinction.

7. A student intending to become a candidate for a degree with distinction in a subject or related subjects will record his name at the office of the Dean of Harvard College. This he may do as early as the beginning of his Sophomore year (he must also record his name anew each subsequent year), or at any time not later than November 1st of the academic year in which he expects to receive the degree; but a Division, Department, or Special Committee may fix as the latest date in its own case a time earlier than November first of that year.

* *E g*, the Committee on Honors in Literature, which will recommend a candidate on studies in related subjects

THE DEAN'S LIST

8 A candidate for the degree with distinction is entitled to have his name placed upon a List at the beginning of his Sophomore year, providing he has not fallen below *C* during his Freshman year, or at any later time when he has satisfied the Dean of Harvard College that he is fit to have his name placed upon the List, and any student who wins a place in one of the first two groups of scholarship holders during any year is entitled to have his name placed upon the List during the succeeding year. The name of any student may be withdrawn from the List at any time on recommendation of the Department under which he is working, or by the Dean after consultation with that Department, if the student fails to obtain or maintain after being entered on the List a standard of scholarship and conduct satisfactory to the Dean.

9 Students whose names are on the List will, except for registration, be trusted by the Dean with greater responsibility and discretion in the ordering of their College work, so far as this does not interfere with the collective interests of the classes or sections to which they belong, and may be excused during their last year in College from examinations in courses belonging to their subject or related subjects, in case the Division or Department under which they are working has provided some other public test than those examinations as the ground for its recommendation

GENERAL REGULATIONS FOR THE DEGREE WITH DISTINCTION

1. A candidate for a degree with distinction "in a subject or related subjects" shall study under the direction of a Department, Division, or Special Committee, which shall, if satisfied with his work, recommend him for that degree. If his work be judged unworthy of distinction, but worthy of a degree, this body may recommend him for a degree without distinction.

2. The candidate shall make application, not later than November 1st of his last year, to the Department, Division, or Committee under which he wishes to be enrolled; he shall, at the same time, record his name and purpose at the office of the Dean of Harvard College. Students intending to become candidates are urged to put themselves, as early as the beginning of their Sophomore year, under the guidance of the Department, Division, or Committee under which they expect to work.

3. The particular branch of study to which the student has devoted himself will be mentioned in his diploma and on the Commencement Programme.

4. The requirements for the degree *cum laude* and *magna cum laude* are the same. The grade of distinction depends on the excellence of the student's work, as determined by the Department, Division, or Committee in charge.

5. Work done by a student, either in vacations or in term-time, outside of his regular courses, may be treated, in such manner as the appropriate Department, Division, or Committee shall decide, as part of the fulfilment of the requirements for the degree with distinction

6. A course or a piece of outside work toward a degree with distinction will not be considered by two different departments.

7. A student who has to pass a special examination for the degree with distinction may, at the discretion of his Department, Division, or Committee, be excused, during his last year, from final examinations in courses dealing with his particular subject

REQUIREMENTS OF THE DIVISIONS AND DEPARTMENTS

ANTHROPOLOGY

(1) Four courses in Anthropology

(2) Four courses in related subjects, of which three must be courses not regularly open to Freshmen

Field work carried on under the direction of the Division may be substituted for a part of the above requirements

Candidates will be required to pass a special examination, on the general field covered by the courses offered. This examination may be either oral or written, as the Division decides

BIOLOGY

(1) Three preparatory courses Chemistry *A*, Physics *C* or *I*, one course in Geology and Geography

(2) Five courses under the Division of Biology, of which two must be in the lower group, but one of the remaining three courses may be replaced by work amounting to one course in any one or two of the following subjects. Physics, Chemistry, Geology and Geography, Anthropology, or in the Department of Philosophy and Psychology. Courses thus substituted for a course in Biology must be selected from the middle or upper groups

CHEMISTRY

(1) Four and one-half courses in Chemistry, including Chemistry 2, 3, 4, and 8· dealing with descriptive inorganic and organic chemistry, qualitative and quantitative analysis, and the elements of physical chemistry.

(2) Three and one-half other courses: one course (with laboratory work) in Physics, of grade above the requirements for admission in Physics, two and one-half approved courses in Chemistry, in Physics, or in other scientific subjects related to Chemistry. An advanced course in German may be substituted for *one* of the two and one-half approved courses.

THE CLASSICS

Eight courses, of which, ordinarily, six should be courses in Greek or Latin literature or composition, while at least two may be appropriate courses in History, Philosophy, Fine Arts, or Modern Literature. Other substitutions may be permitted, and as the Department wishes especially to encourage work independent of courses, allowance will be made for outside work or reading.

In May of each year the Department will hold examinations on the basis of which it will make its recommendations. Candidates must offer themselves in four of the following subjects, including (1) and (2) —

(1) The translation of Greek authors at sight (2) The translation of Latin authors at sight (3) Greek and Latin Composition (of the grade of knowledge reached in Greek 7 and Latin 7) (4) Greek Literature, with alternative questions on history, philosophy, and antiquities (5) Latin Literature, with alternative questions on history, philosophy, and antiquities

CLASSICS AND PHILOSOPHY

(1) Eight courses, of which five are to be in the Department of the Classics (both Greek and Latin) and three in the Department of Philosophy (2) A thesis on a subject connecting ancient and modern philosophical thought (3) A written general examination in Greek and Roman literature and philosophy

CLASSICS AND HISTORY

(1) Eight courses, of which five are to be in the Department of the Classics (both Greek and Latin) and three in the Department of History (2) A thesis on an approved subject in Classics or History (3) A written general examination in Greek and Roman literature, history, and political science

CLASSICS AND GOVERNMENT

(1) Eight courses, of which five are to be in the Department of the Classics (both Greek and Latin) and three in the Department of Government (2) A thesis on an approved subject in ancient or modern political theory and history (3) A written general examination in Greek and Roman literature, history, and political science

CLASSICS AND ECONOMICS

(1) Eight courses — five in the Department of the Classics (both Greek and Latin) and three in the Department of Economics (2) A thesis connecting ancient and modern economic theory or history (3) A written general examination in Greek and Roman literature, history, and political science

ENGINEERING SCIENCES

Eight courses as follows. —

Mathematics *A* or *C* (Trigonometry and Analytic Geometry)

Mathematics 2 (Calculus)

Physics *C* or 1.

Engineering Sciences 3 (Mechanical Drawing)

Engineering Sciences *5a hf* (Mechanics),

the equivalent of *one* full course from the following Chemistry *A*, *B* or 1, Geology 4,

and the equivalent of *two and one-half* courses selected from the following courses in Engineering Sciences —

3*b*. Descriptive Geometry, Stereotomy, Shades and Shadows.

*4*a hf* Surveying

*4*d*. Railroad Surveying

6*a hf*. Mechanical Drawing

6*b hf* Mechanism.

7*a hf* Mechanics.

7*b hf*. Mechanics.

8 Power Generation and Utilization.

10 *hf*. Principles of Metallurgy.

A candidate must also pass a special examination covering the four courses in Engineering Sciences

ENGLISH

(1) Eight elective courses in English will ordinarily be required, but with the previous consent of the Department appropriate courses in foreign literature, or in History, Philosophy, or Fine Arts, may be substituted for some of these Of the eight courses required three shall be chosen from the following: English 1, 2, 3*a*, 3*b*, 4, 11*a*, and 11*b*, but an approved reading course in Greek or Latin may be substituted for one of these three courses

Approved work done independently by the candidate may be accepted in partial fulfilment of the requirement of courses

* Course 4*a* and the first three weeks of Course 4*d*, if both are taken in the same summer, may be counted as one course towards the degree of A B or S.B.

(2) The candidate's proficiency in composition will be tested by an original composition of not more than five thousand words

A special examination in the history of English language and literature is ordinarily required

FINE ARTS

Four courses in the Division of Fine Arts and four additional courses in Fine Arts or related subjects. Ordinarily, at least two must be courses involving drawing as part of the work, — namely, Fine Arts 1*a*, 2*a*, 2*b*, 2*c*, 2*f*, 2*g*, 8*a*, 8*d*, 10*a*, 10*b*, and 20*c*

The candidate will be required to pass a special oral examination on the field indicated by the courses which he offers

Approved work done independently by the student may be substituted for a part of the requirements. The plan of work for each year must be submitted to the Division before the 15th of October.

FRENCH AND OTHER ROMANCE LANGUAGES AND LITERATURES

(1) Four courses in the Department, not more than one of which shall be a course ordinarily open to Freshmen. A student must show some knowledge of at least two of the Romance languages, but of one of these an elementary knowledge is sufficient

(2) Four courses in Ancient or Modern Languages, of which not more than one may be a course ordinarily open to Freshmen. With the previous consent of the Department appropriate courses in History, Philosophy, or Fine Arts may be substituted for some of these. Approved work done independently by the candidate may be accepted in partial fulfilment of the requirement of courses

A special examination in the history of French, Italian, or Spanish literature is ordinarily required

GEOLOGY

Eight courses, of which at least six must be in subjects treated under the Division of Geology; at least four of the eight courses must be of the middle or the upper group.

Two of the eight courses may be chosen from the lower or the middle group in the Departments of Chemistry, Physics, Biology, or Astronomy.

Of the geological courses at least one must be taken in the first, one in the second, and two in the third of the last three years of study.

GERMANIC LANGUAGES AND LITERATURES

(1) Four courses in the Department, not more than one of which shall be a course ordinarily open to Freshmen

(2) Four courses in Ancient and Modern Languages, of which not more than one may be a course ordinarily open to Freshmen With the previous consent of the Department appropriate courses in History, Philosophy, Music, or Fine Arts may be substituted for not more than two of these courses Approved work done independently by the candidate may be accepted as the equivalent of one course

(3) A thesis or a special examination is required of every candidate The subject of the thesis must be approved by the Department, and the thesis must be handed to the Chairman of the Department not later than May 20.

HISTORY AND LITERATURE

(1) As early as possible in his College career, the candidate must present, for approval by the Committee, a plan of study which shall comprise at least eight courses, selected from those offered in History and in Literature, — taking both terms in their most comprehensive sense, — and usually including not more than two courses regularly open to Freshmen. These courses should be so selected as to come under some general scheme of study of the history and the literature either of a nation or of a period for example, —

The History and Literature (a) of Greece, (b) of Rome, (c) of England, (d) of France, etc.

The History and Literature (e) of the Middle Ages, (f) of the Renaissance, (g) of the Eighteenth Century, (h) of the Nineteenth Century, etc.

Under such schemes as (e), (g), and (h), it is evident that study of the history and literature of America would generally be included.

The candidate will normally be expected to divide his work about equally between courses in History and courses in Literature, but will ordinarily include, either in courses taken or in outside reading, the history of Philosophy and of the Fine Arts in the country or the period selected for his general field of study.

(2) To complete his knowledge of the country or the period chosen, the candidate will pursue a course of general reading both in the principal authors of the country or the period in question and in the works of standard authorities concerning these matters This general reading, which may conveniently be done during summer vacations, must in every case be approved and directed by the Committee.

(3) Not later than April 1 of his final year of preparation, the candidate must present to the Committee a thesis, the subject of which has been approved, on some special topic within his general field of study. At some subsequent time appointed by the Committee, the candidate must present himself before them for general examination — either written, or oral, or both — concerning his whole field of study.

(4) A candidate who has satisfied the Committee of his proficiency will be recommended by them for the Degree with Distinction in History and Literature, and may be excused from the final examinations in his Senior year in the courses offered for the Degree with Distinction.

The Committee on Degrees with Distinction in History and Literature will gladly advise students in regard to other possible combinations, such, for example, as Philosophy and History.

HISTORY, GOVERNMENT, AND ECONOMICS

Not later than November 1 of his final year of preparation, the candidate must present, for approval by the Division, a plan of study, which shall comprise *at least seven courses*, selected from those offered by the Division, and not including more than two from the three introductory courses, — History 1, Government 1, and Economics A. This plan of study may, however, with the approval of the Division, include related courses offered by other Departments of the University, and also, by special vote of the Division, suitable work done outside of regular courses. If four or more of the seven courses are courses in History, the candidate, if successful, will be recommended for the Degree with Distinction in History, if four or more of them are courses in Economics, he will be recommended for the Degree with Distinction in Economics, if four or more of them are courses in Government, he will be recommended for the Degree with Distinction in Government.

Besides this minimum requirement, the candidate may indicate in his plan of study any additional work done in History, Government, Economics, or in related subjects. The character and range of this work will be taken into account in determining the recommendation for the Degree with Distinction. The winning of a University prize in any of the subjects represented in the Division, such as a Bowdoin, Toppan, or Sumner prize, may, at the Division's discretion, be accepted as evidence towards establishing a candidate's qualification for the Degree with Distinction.

Not later than May 1 of his Senior year, the candidate will present to the Chairman of the Division *a thesis*, and he will be required to pass an oral examination on the general field covered by the courses he offers, or on such portion of the field as the Division may determine. Successful candi-

dates at the oral examination will be excused from the final examinations in their Senior year in the courses offered for the Degree with Distinction, and unsuccessful candidates at the oral examination may be recommended by the Division for the ordinary degree without taking the final examinations in such courses

In the award of the Dillaway Fellowship preference will be given to the most successful candidate for the Degree with Distinction in History, and the Philip Washburn Prize is offered for the best thesis, of sufficient merit, on an historical subject presented by a successful candidate for the Degree with Distinction in History

LITERATURE

(1) Six courses in literature, both ancient and modern, chosen, in general, from the lower and middle groups in the several departments offering such courses. The work need not be evenly divided between the ancient and the modern languages, but not less than two courses should be offered in either field. Independent reading done by the student may be substituted for some or all of the six courses. The candidate must have a good reading knowledge of at least one ancient language and at least one modern language besides English. There will be a written test and a general oral examination.

(2) A thorough study of two special subjects chosen by the candidate, with the approval of the Committee, from two different literatures, one ancient and one modern. At the discretion of the Committee, a single subject, involving a study of both ancient and modern literature, may be substituted for the two. This work may be done partly or wholly in courses, in addition to the required six. It will be tested by written examination.

(3) An acquaintance with the general history of two literatures, one ancient and one modern. This knowledge may be acquired partly or wholly in additional courses.

MATHEMATICS

In order to be recommended for the Degree with Distinction, a student must have been known to the Division for at least the last year of his college course, and preferably for two years, as having chosen Mathematics and subjects related to Mathematics for a principal field of work, and must have carried on his studies in that field with the approval and under the guidance of the Division. *At least five courses* in Mathematics and related subjects, creditably passed (not including any course regularly open to Freshmen), will be required, and each student's programme must exhibit a *consistent and sufficient plan of work*, and must be submitted for the approval of the Division not later than the *first day of June* of the year previous to that in which the student is to come up as a candidate for the degree. It is recom-

mended that the programme be submitted at an earlier date, with the understanding that modifications may afterwards be accepted

Of the courses offered, at least three must be in Mathematics proper, the rest may be in Mathematics, or in Astronomy, or in Physics, or in Engineering, or in some other subject related to Mathematics, or may be divided between two branches of study

A student may also with the approval of the Division, undertake an advanced special piece of work, outside of his courses, to be done during his last two college years, and such work may, at the discretion of the Division, be counted towards Distinction, its quality and amount being tested either by a special examination, by a thesis, or by presentation at the Mathematical Club, as shall be judged expedient by the Division

The Division reserves the power of exercising an independent judgment in each case, but it must always be satisfied that the programme offered furnishes a sufficient basis for Distinction in Mathematics, and that the quality of the student's work justifies his recommendation for such Distinction

The Division holds *no special examination* for Distinction, other than that on a candidate's special work But an application from a candidate to substitute a thesis or special examination for any of his examinations in courses will be taken into consideration by the Division.

MATHEMATICS AND EDUCATION

This degree, which is intended to represent special preparation for the work of teaching Mathematics in secondary schools, is administered by a standing committee of three under the following rules —

In order to be recommended for this degree the student must have been known to the Committee as a candidate during at least the last two years of his course, and he must have carried on his studies in his chosen field under the guidance of the Committee.

The degree will be awarded on the basis of the following courses. —

1. Mathematics and allied subjects.

(a) A course or half-course in Descriptive Geometry or Surveying.

(b) Three and one-half courses in Mathematics above the Freshman courses The choice must include Mathematics 2.

(c) Physics *C* or its equivalent.

(d) A course in Astronomy.

The student is advised to take both Descriptive Geometry and Surveying. In case he does so, the requirement under (b) will be reduced to three courses in Mathematics. He is also advised to include the course in modern geometry

(Mathematics 3) among his elective courses. He should in any case consult the Chairman of the Committee before finally making up his programme.

2. Education

- (a) A general introductory half-course in Education (Education 4)
- (b) A course in secondary education, with observation of schools (Education 3b), and, for students without experience in teaching, a half-course in teaching under supervision (Education 9)

Students who have had experience in teaching will be required to substitute for Education 9 another half-course in Education. All students are advised to take, if possible, a course in the history of education or in the general theory of education.

The Committee reserves the power of exercising an independent judgment in each case, but it must always be satisfied that the programme offered furnishes a sufficient basis for distinction, and that the quality of the student's work justifies his recommendation.

MUSIC

(1) Eight approved courses, five of which shall be in Music (including Music 1, 2, 5, and 6), and three in Modern Languages, — German, French, and Italian. Those who show that they have acquired outside the college course a thorough knowledge of Harmony will not be required to take Music 1. The same rule applies to Music 2. Students who intend to become candidates should confer with their instructor at the opening of the Sophomore year.

(2) One or more special original compositions in large form must be presented to the Committee before May 10 of the Senior year.

NATURAL HISTORY

Eight courses in the sciences are required, at least six of which must be in the Divisions of Geology and Biology. Of the eight courses not less than three must be in the middle or higher groups, and not less than one must be taken in each of the Divisions of Geology and Biology. The Chairmen of the Divisions of Geology and Biology are a Committee to supervise the work of candidates.

The degree of A.B. *magna cum laude* will be awarded to those candidates who pass the eight prescribed courses with at least 6 A's and 2 B's.

The degree of A.B. *cum laude* will be awarded to those candidates who pass the eight prescribed courses with at least 6 B's and 2 C's.

PHILOSOPHY

(1) As early as possible in his College career the candidate must present, for approval by the Department, a plan of study which shall comprise at least eight courses, selected with a view to forming a unified programme. Of these eight courses, at least four must be courses in Philosophy, the remainder may be courses in allied subjects. Usually not more than two of these courses shall be chosen from among those regularly open to Freshmen.

(2) The list of "Additional Courses" mentioned in the Division Announcement is intended to suggest suitable allied courses, but the candidate is not restricted to courses in this list. It is required only that the courses offered in other than philosophical subjects shall be closely related in interest and subject-matter to the candidate's philosophical courses. The Division does not insist on a specialization in technical philosophy, but is glad to consider programmes in which philosophy is united with literature, history, economics, political science, physics, biology, history of religions, etc. Such programmes must be approved by the Chairman of the Division not later than November 1 of the year in which the candidate completes his work for the degree.

(3) To supplement his programme, and to enlarge his knowledge of his subject, the candidate will pursue a course of general reading under the direction of the Department. This general reading may conveniently be done during summer vacations.

(4) Not later than April 1 of his final year of preparation, the candidate must present to the Committee a thesis, the subject of which has been approved, on some special topic within his general field of study. At some subsequent time appointed by the Committee, the candidate must present himself before them for general examination — either written, or oral, or both — concerning his whole field of study.

(5) A candidate who has satisfied the Department of his proficiency will be recommended by them for the degree with distinction in Philosophy, and may be excused from the final examinations in his Senior year in the courses offered for the degree with distinction.

PHILOSOPHY AND CLASSICS

(1) Five philosophical courses and three classical courses, at least one of which should be in Greek. (2) A thesis on a subject connecting ancient and modern philosophical thought. (3) A special examination of some character will be required.

PHILOSOPHY AND ECONOMICS

(1) This degree is intended to represent special attainment in the study of social problems, theoretical and practical

(2) As early as possible in his College career, and not later than November 1 of his final year, the candidate must present a plan of study to the Chairman of the Committee on Degrees with Distinction in Philosophy and Economics

(3) Such a plan must comprise at least eight courses, of which at least two must be in (1) Philosophy, (2) Social Ethics, and (3) Economics, respectively. Of these courses at least one in each of these groups and at least six in all must be of the grade not open to Freshmen. The courses in Economics and Philosophy which form a part of the plan must be approved by the Committee as suitable to the general purposes of the degree

(4) Not later than May 1 of his final year, the candidate must submit a thesis on some topic in social theory or practice. The subject must be approved by the Committee not later than the beginning of the second half of the candidate's final year. This thesis may, with the instructors' permission, replace the regular thesis work connected with the courses which the candidate is taking

(5) At some date after May 1 of the candidate's final year, he will be examined on the field covered by the courses which he offers in his plan of study. With the consent of the instructors concerned he may be excused from the final examinations in those courses of his programme which fall in his final year

PHYSICS

(1) Three courses in Physics chosen from the middle and upper groups

(2) Two courses in Mathematics. One must be Mathematics 2; the other may be either Mathematics 4 or 5.

(3) One approved course in Physics, Mathematics, Chemistry, or Electrical Engineering.

The Division's recommendation of any candidate will be determined by the character of his work in the field of study described above and by general impressions as to his ability and attainments.

SEMITIC LANGUAGES AND HISTORY

(1) Six Semitic courses, of which at least three shall be language courses chosen from not more than two languages

(2) A course in Latin and one in Greek, to be approved by the Chairman of the Division of Semitic Languages.

A special examination will be given; but at the discretion of the Division, a candidate who takes all the regular examinations may be relieved of this special test.

COMMENCEMENT PARTS

Among the students recommended for a degree with distinction two or three are chosen by a committee of the Faculty of Arts and Sciences to speak on Commencement Day. Their speeches are known as Commencement Parts, and are called Orations, Dissertations, or Disquisitions, according as the speakers are candidates for a degree *summa cum laude*, *magna cum laude*, or *cum laude*.

PRIZES

DETURS

EDWARD HOPKINS, born in 1600, was a successful London merchant who came to New England in 1637. He was several times Governor of Connecticut Colony; and on his return to England he was elected to Parliament and appointed Warden of the Fleet under Cromwell. His will expresses his desire "to give some encouragement in those foreign plantations, for the breeding up of hopeful youths, both at the grammar school and college, for the public service of the country in future times", and his educational bequests to New England are of great importance. Part of the income of one of these bequests is used in the purchase of books called DETURS, for meritorious students in Harvard College.

THE BOWDOIN PRIZES

JAMES BOWDOIN, born in 1726, was graduated at Harvard College in 1745. He was a member from 1757 to 1774 of His Majesty's Council for the Province, and distinguished himself there as an active opponent of the Ministry. He was President of the Convention which framed the Constitution of the Commonwealth, in 1779-80, and was Governor of Massachusetts from 1785 to 1787.

Governor Bowdoin's will bequeathed the sum of four hundred pounds to "the University at Cambridge," and directed that the interest of this gift be "annually applied in the way of premiums for the advancement of useful and polite literature among the residents, as well graduates as undergraduates of the University; the premiums to be paid in such way and manner as shall be best adapted to excite a spirit of emulation among such residents. The performances entitled to such premiums to be read in public by their respective authors, who shall deliver a fair copy of the same, to be lodged in the library."

In 1901, George Sullivan Bowdoin, of New York, gave fifteen thousand dollars to be added to the principal of Governor Bowdoin's bequest.

On the Bowdoin foundation there are offered to students resident at the University nine prizes. Of these, five are open to undergraduates in Harvard College as follows:—

For resident students who do not hold an academic degree or have not had an equivalent training, and also for other candidates for the degree of A B or S B in Harvard University —

FOR DISSERTATIONS IN ENGLISH

I Three Prizes, a First Prize of *two hundred and fifty dollars*, and two Second Prizes of *one hundred dollars*, are offered annually Either or both of the two second prizes may be divided, at the discretion of the Committee, between two competitors The first prize will not be divided.

Essays offered in competition for these prizes may be on any subject approved by the Chairman of the Committee on Bowdoin Prizes as a proper subject for treatment in literary form. Theses that form part of the regular work in an elective course may be offered in competition, with the consent of the instructor in the course, or, subject to such consent, may be rewritten for the prize competition The literary quality as well as the substance of the essays will be taken into account in making the award The prize winners for the year are named as such on the Commencement Programme

No essay offered in competition for these three Bowdoin Prizes may contain more than ten thousand words.

The general rules laid down on page 248 for the guidance of competitors must be accurately followed

Each winner of a Bowdoin Prize will receive in addition to the sum of money a bronze medal

All inquiries concerning the prizes for dissertations in English should be addressed to the Chairman of the Standing Committee on Bowdoin Prizes, Professor LAWRENCE J HENDERSON

FOR DISSERTATIONS IN GREEK AND LATIN

I (A) A Prize of *fifty dollars* for a translation into Attic Greek of the passage in J B Bury's *History of Greece*, Chapter 10, Section 2, beginning with the words, "The war on which we are now entering is a resumption," and ending with the words, "in barbarous kingdoms, however great their territory" (B) A Prize of *fifty dollars* for a translation into Latin of the passage in Prescott's *Conquest of Mexico*, Vol. I, Book II, Chapter 6 (Lippincott Edition, 1883), beginning on page 302 with the words, "We must now take leave of the Spanish camp," and ending on page 306 with the words, "before the first blast of the tempest"

The winners of the prizes will be named on the Commencement Programme

The general rules laid down on page 248 for the guidance of competitors must be accurately followed

All inquiries concerning the Bowdoin prizes for dissertations in Greek and Latin should be addressed to the Chairman of the Department of the Classics

Each winner of a Bowdoin Prize will receive in addition to the sum of money a bronze medal

THE BOYLSTON PRIZES FOR ELOCUTION

In 1817, WARD NICHOLAS BOYLSTON, of Boston, being, as he declares, "actuated by a wish to promote the reputation of Harvard College, and more especially with a view to advance the objects for which the Professorship of Rhetoric and Oratory was founded by my uncle, Nicholas Boylston, Esq.," made to the University the gift of one thousand dollars, which he invested in an annuity, the income to be applied to prizes for Elocution.

The BOYLSTON PRIZES FOR ELOCUTION are awarded to Seniors and Juniors in Harvard College at a public competition on the second Thursday in May. The students speak, not their own compositions, but selections from English, Greek, or Latin authors, the proportion in English is to be at least two out of three. The selections must be approved by the Boylston Professor of Rhetoric and Oratory.

The competitors must enter their names with the Boylston Professor *on or before the first Thursday in April*.

The Corporation, and gentlemen selected by the Corporation, will act as judges, and award the prizes as follows:—

Two First Prizes, of *thirty dollars* each; and three Second Prizes, of *twenty dollars* each. The First Prizes may be withheld if none of the competitors appear to deserve them.

At this exhibition, no prompting of the speakers will be allowed, and a failure of memory will exclude a competitor from consideration in the assignment of the prizes.

THE PASTEUR MEDAL

In 1898 Baron PIERRE DE COUBERTIN founded a prize for debating in the form of a medal to be awarded to the successful contestant in an annual debate on a subject drawn from contemporary French politics, the debate to be conducted in English. The administration of the prize is in the hands of the Department of French, which is authorized to call in the aid of other instructors, of students and of graduates, in determining the precise conditions of the competition, and in selecting judges. Due notice will be given of the time of the debate and the rules governing it.

THE COOLIDGE DEBATING PRIZE

In 1899, T. JEFFERSON COOLIDGE, of the Class of 1850, gave to the College *five thousand dollars*, "the income of which shall be devoted to the establishment of prizes for debating"

On February 13, 1911, acting under the authority of the donor, the President and Fellows voted "that one prize of \$100 be offered in the system of trial debates for the Harvard-Yale-Princeton Intercollegiate Debates, and that, until further action by the Corporation, the balance of the income of the fund shall be expended annually by the Advisory Committee on Debating as they shall deem best for the interests of debating in the College"

The Advisory Committee on Debating, acting under this vote, now awards, in addition to the \$100 prize mentioned above, a gold medal known as "The Coolidge Debating Medal" to the participants in the Harvard-Yale and Harvard-Princeton debate, and silver medals of a similar design to the alternates in such debates.

THE DANTE PRIZE

The Dante Society offers an Annual Prize of *one hundred dollars* for the best essay by a student in any department of the University, or by a graduate of not more than three years' standing, on a subject drawn from the *Life* or *Works* of Dante. The competition is open to students and graduates of similar standing of any college or university in the United States.

For the year 1917-18 the following subjects are proposed —

1. *A study of the vocabulary of Dante's lyrics*
2. *The classification of Dante's miscellaneous lyrics.*
3. *The influence of Boethius on the Vita Nuova and the Convivio*
4. *A discussion of the authorship of "Il Fiore"*
5. *A study of Dante's influence upon English literature (or upon any single author or period).*
6. *The relation of Dante's theological doctrines to the present teachings of the Church of Rome.*
7. *The relation of modern scientific discovery to Dante's conception of the divine order of the universe.*
8. *The main reasons for the increase of interest in the Divina Commedia during the past fifty years*
9. *Dante and Cecco d'Ascoli.*
10. *A study of the decline of Dante's influence in Italy in the fifteenth and sixteenth centuries.*
11. *Modern traits in Dante.*
12. *The influence of Guido Cavalcanti on Dante.*
13. *A criticism of Torraca's edition of the Divina Commedia.*
14. *Dante's attitude toward the various Italian cities*
15. *A study of Dante's versification.*
16. *English Translations of the Divine Comedy.*

Essayists are at liberty to write on any one of the subjects which have been proposed in the years during which this prize has been offered, or to propose new subjects for the approval of the Council of the Dante Society.

Inquiries may be addressed to the Secretary of the Society, Mr G. B. WESTON

The general rules laid down on page 248 for the guidance of competitors must be accurately followed

The judges of the essays are a committee of the Dante Society If the judges decide that no essay submitted to them deserves the full prize, they are at liberty to withhold the prize, or to award one or two prizes of fifty dollars, at their discretion

THE SARGENT PRIZE

This prize was first offered in 1886-87 by JOHN OSBORNE SARGENT, of New York, of the Class of 1830, and was endowed in his memory, in 1892, by his daughter, GEORGINA W SARGENT The prize is of *one hundred dollars*, and is offered for the best metrical translation of a lyric poem of Horace, to be selected each year by the Department of the Classics

The selection for 1917-18 is the *second ode of the third book of Horace*.

Undergraduates of Harvard College and of Radcliffe College may compete for this prize. The prize may be withheld if no competitor appears to deserve it

The general rules laid down on page 248 for the guidance of competitors must be accurately followed

THE GEORGE B SOHIER PRIZE

This prize was founded by the late WALDO HIGGINSON, of Boston, of the Class of 1833, in memory of his brother-in-law, George Brimmer Sohier, of the Class of 1852 The endowment is for "one prize of *two hundred and fifty dollars* for the best thesis presented by a successful candidate for Honors in English or in Modern Literature. If no thesis is deemed worthy of a prize, no prize will be given" "The competitors may be either. — (1) undergraduates in Harvard College; (2) Harvard graduates who are resident at the University as students in the Graduate School; or (3) students in Radcliffe College "

THE SALES PRIZE

A prize of *forty-five dollars* is offered to the "best scholar in Spanish," under the following clause from the will of FRANCIS SALES, A.M. 1835, Instructor in Spanish and French from 1816 to 1854 —

"It is my will that one thousand dollars shall constitute a fund, the income of which shall be annually given, either in money or a gold medal of equivalent value, to the best scholar in Spanish, who shall have commenced the study of that language at Harvard College, and whose

scholarship shall be determined by his proficiency in Spanish composition. the successful candidate to be selected by the President, the Professor of the French and Spanish languages, and the Instructor of Spanish for the time being "

The competition for this prize is limited to undergraduates of Harvard College

Notice of intention to compete for this prize must be sent to the *Recorder* on or before *the first day of May*

THE PHILIP WASHBURN PRIZE

In 1899, Mrs MARY ELIZABETH WASHBURN gave to the University the sum of two thousand dollars for the establishment of a prize in memory of her son, Philip Washburn, of the Class of 1882 On this foundation an annual prize of *seventy-five dollars* is offered for the best thesis, of sufficient merit, on an historical subject presented by a successful candidate for the degree of A B. with Distinction in the Division of History, Government, and Economics, whose main work is in History

The thesis may also be counted as a part of the student's work in one or more courses

In case the writer of the selected thesis states that his thesis is to be submitted in competition for another prize, no award will be made until the result of that competition is announced

PRIZES IN POLITICAL SCIENCE

Two prizes are offered for subjects in various fields of Political Science. These are the SUMNER and BENNETT prizes

The subjects for either of these prizes may, within the limitations set down in the special announcement of each, be chosen by each competitor for himself, subject to the approval of the Committee on Prizes in Political Science. The general range of subjects suitable for essays will be found indicated below; and also a statement as to what persons are admitted to the competition

No prize will be awarded to any essay that does not give such evidence of solid study, sound thought, and literary care as would, in the opinion of the judges, warrant its publication

Essays which have received other prizes, or have been presented for academic recognition elsewhere than in Harvard University, or have been published previous to the making of the award, shall not be admissible

The general rules laid down on page 248 for the guidance of competitors must be accurately followed

No essay offered for a prize in Political Science may contain more than one hundred thousand words.

THE SUMNER PRIZE

An annual prize of *one hundred dollars*, the gift of CHARLES SUMNER, of the Class of 1830, Senator from Massachusetts from 1851 to his death in 1874, is offered for the best dissertation on a subject connected with the topic of Universal Peace and the methods by which War may be permanently superseded. This prize is open to any student of the University in any of its departments. But students cannot hope to be successful who have not some knowledge of international law.

The following subjects, upon which Sumner prizes have been taken, will serve to indicate the range of topics —

1. *The experience of the last half-century and the light it throws upon the possible general resort to arbitration as a substitute for war*
2. *Great national armaments in time of peace, their causes, their continuance, the chances of their decline*
3. *An historical sketch of the spread of the doctrine of the immunity of private property at sea, and a discussion of its tendency to promote peace.*
4. *The light which experience throws upon the resort to arbitration as a substitute for war.*
5. *The European Concert and the problem of universal peace*
6. *The feasibility of an universal Staatenbund*
7. *The future of international arbitration as indicated by the experience of the United States*
8. *The limitations and possibilities of international arbitration as shown by subjects to which it actually has been applied*

THE BENNETT PRIZE

An annual prize of *seventy-five dollars*, from a fund established by JAMES GORDON BENNETT, of New York, is offered for the best essay in English prose on some subject of American governmental domestic or foreign policy of contemporaneous interest.

This prize is open only to members of the Senior Class of Harvard College and to Special Students in their third or fourth year who have taken courses in Political Science and English Literature.

The following are among the many subjects on which essays have been written —

1. *The proper relations of the United States with Hawaii*
2. *How should postmasters be selected?*
3. *The advantages and dangers to the United States of a powerful navy.*
4. *The effect of executive commissions on State government*
5. *American shipping and shipping subsidies*
6. *The governing power of the United States over territory.*
7. *Gas franchises in Massachusetts*
8. *The paper and pulp industry of the United States*
9. *The private car system on American railroads.*
10. *The Development of the Aluminum Industry*
11. *The Law of Population.*

RICARDO PRIZE SCHOLARSHIP

The Ricardo Prize Scholarship, with an annual income of *three hundred and fifty dollars*, is offered for the year 1918-19 to persons who are members of Harvard University in 1917-18

The incumbent must be a member of the Senior class in Harvard College or of the Graduate School of Arts and Sciences, and must carry on his studies under the supervision of the Department of Economics. He must devote the major portion of his time to economic and political studies, and must give special attention to the problems involved in the relation of the State to industrial enterprise

Candidates must submit to the Chairman of the Department of Economics not later than *May 15, 1918*, a statement of their previous studies, submitting also any written work done by them. They shall further present themselves at an examination, to be held not later than *June 1, 1918*. Each candidate will be called on to write, in the examination room, an essay on a topic chosen by himself, from a list, not previously announced, in economics and political science. On the basis of all the evidence received, the award will be made, not later than *June 15*, on recommendation by the Department, solely with regard to the ability and promise of the several candidates, and without regard to their pecuniary means

THE DAVID A. WELLS PRIZE IN ECONOMICS

Through the benefaction of the late DAVID A. WELLS, the Department of Economics is enabled to offer an annual prize of *five hundred dollars* for the best thesis, embodying the results of original investigation, under the following conditions —

1. Competition is open to members of the Senior Class in Harvard College and also to any graduate of any department of the University of not more than three years' standing

2. The subject must lie within the field of Economics or some adjacent field. The following list will indicate the general character of the topics which are considered suitable: "The 'Nature,' 'Rights,' 'Protection,' and 'Distribution' of Property, on 'Money,' 'Currency,' the 'Theory and Practice of Banking,' 'Usury,' 'Interest,' the 'Machinery of Exchange,' the laws governing the production and distribution of wealth and the 'Laws of Trade', on 'Taxation,' 'Insurance,' on 'Railroad Work and Economy,' other than that pertaining to Mechanics or Engineering, on 'Corporations,' 'Trusts and Monopolies,' on 'Economic Education' and the best methods of teaching economic, fiscal and social science,

on the Management of Public Charities, the Treatment and Problems of Pauperism, Crime, and Intemperance."

3. Each thesis must be signed by an assumed name, and accompanied by a sealed envelope enclosing the real name of the writer and bearing his assumed name on the outside

4 Each thesis must be either typewritten or written in a clear and legible hand.

5. The successful thesis will be published by the University, the cost of publication being paid out of funds also provided by the will of the late DAVID A. WELLS

6. The competition for the prize for the year 1918-19 will close on November 1, 1918, and all theses offered in competition must be in the hands of the David A. Wells Professor of Political Economy not later than six o'clock P. M. on that day

Further information may be secured by inquiring of Professor T. N. CARVER, David A. Wells Professor of Political Economy.

THE LLOYD McKIM GARRISON PRIZE

This prize was founded by the Class of 1888 in memory of their class-mate, LLOYD McKIM GARRISON. The endowment is for a prize consisting of *one hundred dollars and a silver medal* for the "best poem on a subject or subjects annually to be chosen and announced by a committee of the Department of English." The competition for this prize is open to all undergraduates. The subject for 1917-18 is

WHITHER?

"Vent on savoir d'où nous venons

La chose est très facile;

Mais pour savoir où nous irons

Il faudrait être habile."—BALZAC.

All manuscripts should be left at the office of the Secretary of the Faculty, 4 University Hall, not later than five o'clock P. M. on April 1, 1918.

THE FRANCIS BOOTT PRIZE

FRANCIS BOOTT, of Cambridge, of the Class of 1831, bequeathed to Harvard College a fund to provide an annual prize of *one hundred dollars*, to be awarded to the writer of the best composition in concerted vocal music. The competition for this prize is open to undergraduates or to members of any graduate school of the University

The title-page of each composition must bear an assumed name, and the writer must give in, with his composition, a sealed letter, containing his true name and superscribed with his assumed name

The composition shall be written in four voices (soprano, alto, tenor, and bass), for chorus, with or without solo voices, and with organ or piano accompaniment; and the time required for its performance must not exceed six minutes. The words shall be either English or Latin, religious or secular, original or selected. A prize will be awarded only in case a composition is submitted which fulfils the requirements of the Committee. The prize composition will be performed in the College Chapel, with chorus and organ. The compositions must be presented to the Chairman of the Committee on or before April 1, 1918.

Committee MR. ARTHUR FOOTE, MR. GEORGE A. BURDETT, MR. FREDERICK S. CONVERSE

JEREMY BELKNAP PRIZE

In the year 1917-18 a prize of *fifty dollars* is offered for the best French composition written by a first-year student in Harvard College. The competition is open to men who have passed the advanced French examination for admission, or have done satisfactory work in a three years' course in French at school, provided they have not had exceptional opportunities for speaking French. Notice of intention to compete must be sent to the Recorder on or before the first day of May, 1918. Further information may be obtained from Professor J. D. M. FORD, 9 Riedesel Avenue.

SUSAN ANTHONY POTTER PRIZES

In 1917-18 two prizes in Comparative Literature are offered, to be called the "Susan Anthony Potter Prizes." One, of the value of \$100, is to be given for the best thesis by a student (graduate or undergraduate) in Harvard University or Radcliffe College, on any subject in the field of Comparative Literature approved by the Chairman of the Department. The other, of the value of \$50, is to be given for the best essay by an undergraduate in Harvard College on a subject in the field of Comparative Literature concerning the Middle Ages or the Renaissance. Candidates should submit their subjects to the Chairman of the Department of Comparative Literature, early in the autumn of 1917. May 1, 1918, will be the last day for receiving theses or essays in competition.

In the year 1917-18 a prize of *seventy-five dollars* is also offered for the best essay on a subject dealing with the Spanish literature of the Golden Age. The competition is open to all undergraduates. Manuscripts must be delivered at the office of the Secretary of the Faculty, 4 University Hall, addressed to Professor J. D. M. FORD, on or before the first day of May, 1918. Further information may be obtained from Professor FORD.

HARVARD MENORAH SOCIETY PRIZE

Through the generosity of Mr JACOB H. SCHIFF the Harvard Menorah Society is able to offer to the University the sum of \$100 annually until further notice, to be awarded as a prize, to be known as the "Harvard Menorah Society Prize," for an essay by an undergraduate on a subject connected with the work and achievements of the Jewish people. The award is to be made by a committee of three appointed by the President of the University, "and as to one member of the committee, the Harvard Menorah Society is to make recommendation, while the Semitic Faculty is to make nomination of a second member." Competitors for this prize must hand in their essays, the subjects of which must be approved by the chairman of the committee on the award of the prize, not later than the first day of April of each year.

GEORGE ARTHUR KNIGHT PRIZE

In the year 1909 the University received from Mr WILLIAM H KNIGHT, of Hopedale, a gift of \$1,040 40, from the income of which \$30 is to be offered for the best composition in instrumental music, "preference to be given to compositions for string quartettes or trios, though works with piano accompaniment may compete." The prize is to be called the "George Arthur Knight Prize," in memory of George Arthur Knight, late of the Class of 1907, and is to be awarded by a committee of the Division of Music. The competition is open to all members of the University. Manuscripts must be left with the Chairman of the Division on or before April 1, 1918.

LEE WADE II PRIZES

These prizes were founded in 1915 by Dr. Francis Henry Wade, of Cambridge, in memory of his son, Lee Wade, 2d, of the Class of 1914. The income of the endowment is to be "awarded annually in three prizes, — one first prize of *twenty-five dollars*, one second prize of *fifteen dollars*, and one third prize of *ten dollars*, — to those students of the Sophomore, Junior, and Senior classes who, after having recited a selection in poetry or prose which shall be chosen by the donor or those appointed by him, shall be deemed to have won said First, Second, and Third Prizes in their respective order of merit." . . .

THE ELIZABETH WILDER PRIZE

An annual prize of ninety-five dollars, from a fund established under the will of ELIZABETH WILDER, is offered to the Freshman needing financial aid who passes the highest examination in German at the mid-year examination.

THE WISTER PRIZE

An annual prize of thirty-five dollars, or a medal, at the option of the recipient, is awarded from a bequest of CHARLES J. WISTER to the student who passes his examinations with the highest combined average in mathematics and music.

GENERAL RULES FOR THE GUIDANCE OF COMPETITORS
FOR PRIZES

Every dissertation or other composition offered for a prize must be neatly and legibly written or typewritten, upon letter-paper of good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that it may be bound up, if desired, without injury to the writing. The sheets must be securely stitched or riveted together, in such a manner that the manuscript can be easily opened and read.

The title-page of each manuscript must bear an assumed name, with a statement of the writer's academic standing — that is, whether he is a graduate or an undergraduate, of what university, in cases where the competition is open to other than Harvard students and graduates; of what department of his university, and of what class, — and the writer must give in, with his manuscript, a sealed letter, containing his true name and superscribed with his assumed name.

Manuscripts must be delivered at No. 20 University Hall, Cambridge, where they will be receipted for. The latest permissible date of delivery is as follows. —

For the Bowdoin prizes the *first day of April*, 1918.

For the Dante and Sargent prizes, and the prizes in Political Science: the *first day of May*, 1918.

Any prize may be withheld, at the discretion of the judges, if no essay is found to deserve it.

A fair copy of every successful writing offered for a prize must be given to the College Library, immediately upon the award.

The University will not be responsible for the safe keeping of unsuccessful essays for more than three months after public notice of the award has been given. Writers are requested to apply, within that time, for the return of their manuscripts.

By vote of the Faculty, all committees on prizes report not only the essays for which prizes are awarded but also those essays which seem to be worthy of distinction, and all essays so reported are considered in the award of scholarships and the granting of degrees with distinction.

SCHOLARSHIPS AND BENEFICIARY FUNDS

SCHOLARSHIPS

Financial aid to an amount somewhat in excess of \$85,000 is available each year for meritorious students. Of this sum, about \$16,000, the income of the Price Greenleaf Fund, is assigned to Freshmen, candidates for the degree of Bachelor of Arts, and to students admitted to a higher class as candidates for this degree, in their first year of regular standing. Most of the scholarships (except those given on the ground of special claim) are awarded to members of the three upper classes. Honorary scholarships are assigned to students of distinction who do not need scholarships with stipend. The Beneficiary and the Loan Funds are available for members of these classes who have not won scholarships.

Directions for making application, and information as to the principles which regulate the assignment, will be found on page 273. Appointments are made by the President and Fellows of Harvard College on nomination by the Committee on Scholarships and other Aids for Undergraduates, except in cases where a different mode of appointment or nomination is indicated in the subjoined list.

An alphabetical list of the scholarships which are open, or destined to be open, is presented below. It includes a few scholarships, not counted in the above enumeration, which are not yet available or are temporarily in abeyance. The alphabetical list is preceded by a summary of the scholarships arranged according to the amount of the stipend.

SUMMARY

Name (with Date of Foundation)	No.	Stipend.	Total.
Victor Emanuel Chapman Memorial (1917)	1	\$1,125	\$1,125
Philip H. Sears (1914)	1	700	700
Richard Augustine Gambrill (1890)	1	550	550
Saltonstall (1733)	1	525	525
Harvard Club of San Francisco	1	500	500
Henry B. Humphrey (1890)	1	500	500
Nathaniel Ropes, Jr. (1909)	1	500	500
John Appleton Haven (1902)	1	475	475
Charles Wyman (1905)	1	475	475
Thomas Hall (1912)	1	450	450
Amounts carried forward	10		\$5,800

Name (with Date of Foundation).	No	Stupend	Total
Amounts brought forward .	10		\$5,800
Matthew and Mary E Bartlett	1	\$425	425
Class of 1802 (1870)	1	400	400
Morey (1868)	1	400	400
Charles Elliott Perkins (1909)	2	400	800
Charles Haven Goodwin (1889)	1	350	350
Harvard Club of Chicago (1912)	3	350	1,050
Philadelphia (1904)	1	350	350
Toppan (1868)	1	325	325
Class of 1867 (1886)	1	325	325
Addison Brown (1914)	1	325	325
Francis H. Burr, 1909, Fund (1914)	1	325	325
Associated Harvard Clubs	6	300	1,800
Bigelow (1865)	2	300	600
Warren H. Cudworth (1884)	2	300	600
Julius Dexter (1892)	1	300	300
Farrar (1873)	1	300	300
Price Greenleaf (1887)	10	300	3,000
Harvard Club of Cleveland (1906)	3	300	900
Harvard Club of Delaware	1	300	300
Harvard Club of Fall River	1	300	300
Harvard Club of Minnesota (1910)	1	300	300
Harvard Club of St. Louis (1900)	1	300	300
Harvard Club of Santa Barbara	1	300	300
Harvard Club of Western Pennsylvania (1910)	1	300	300
Hollis (1722)	1	300	300
Lincoln (1876)	1	300	300
William Merrick (1888)	1	300	300
Juhan Henry Reinherz (1917)	1	300	300
William Whiting (1874)	1	300	300
Mary L. Whitney (1903)	1	300	300
Ruluff Sterling Choate (1884)	1	275	275
Class of 1883 (1900)	1	275	275
Crowninshield (1877)	2	275	550
Richard Manning Hodges (1878)	1	275	275
Lady Mowlson (1643)	1	275	275
Howard Gardner Nichols (1897)	1	275	275
Lucy Osgood (1873)	1	275	275
Edward Russell (1877)	1	275	275
Slade (1877)	1	275	275
William Whiting (1874)	2	275	550
Amounts carried forward . . .	73		\$25,275

SCHOLARSHIPS

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Name (with Date of Foundation).	No.	Stipend	Total.
Amounts brought forward	73		\$25,275
Bartlett (1881)	1	\$250	250
Bowditch (1860)	21	250	5,250
Bright (1880)	5	250	1,250
Morey Willard Buckminster (1898)	1	250	250
George Newhall Clark (1908)	2	250	500
Class of 1841 (1871)	1	250	250
Class of 1856 (1885)	3	250	750
Clement Harlow Condell (1911)	4	250	1,000
Dana, of the Class of 1852 (1876)	1	250	250
William Samuel Eliot (1875)	1	250	250
Harvard Club of Cincinnati (1912)	2	250	500
Harvard Club of Long Island (1912)	3	250	750
Harvard Club of Maryland (1912)	1	250	250
Harvard Club of Michigan (1910)	1	250	250
Harvard Club of New Bedford (1911)	1	250	250
Harvard Club of New Jersey (1907)	1	250	250
Harvard Club of Washington, D. C. (1909)	1	250	250
Harvard Graduates living in Milton (1914)	2	250	500
George Emerson Lowell (1886)	2	250	500
Markoe (1903)	1	250	250
William Stanislaus Murphy (1916)	9	250	2,250
Stanley Bagg Pennock Scholarship (1917)	1	250	250
Rocky Mountain Harvard Club (1890)	1	250	250
Sewall (1696)	2	250	500
Jacob Wendell (1899)	1	250	250
Thomas William Clarke (1911)	1	225	225
Class of 1835 (1853)	1	225	225
Class of 1863 (1915)	1	225	225
Class of 1877 (1902)	1	225	225
William Gaston (1915)	1	225	225
Selwyn Lewis Harding (1911)	1	225	225
Harvard Club of Akron	1	225	225
Norwood Penrose Hallowell (1915)	1	225	225
Hilton (1897)	1	225	225
Ebenezer Rockwood Hoar (1895)	2	225	450
C. L. Jones (1901)	6	225	1,350
Robert F. Manning (1915)	2	225	450
Rebecca A. Perkins (1869)	1	225	225
Elnathan Pratt (1912)	1	225	225
James A. Rumrill (1909)	2	225	450
Amounts carried forward	165		\$47,700

Name (with Date of Foundation).	No	Stipend.	Total.
Amounts brought forward	165		\$47,700
Shimmin Fund (1914)	1	\$225	225
Mary L. Whitney (1903)	1	225	225
Borden (1896)	1	200	200
Burr (1895)	8	200	1,600
Class of 1817 (1852)	1	200	200
Class of 1844 (1916)	3	200	600
Joseph Eveleth (1896)	4	200	800
George Fisher and Elizabeth Huntington Fisher (1908)	1	200	200
Benjamin D. Greene (1863)	1	200	200
Harvard Club of Boston (1909)	5	200	1,000
Harvard Club of Buffalo (1903)	1	200	200
Harvard Club of the Connecticut Valley (1911)	1	200	200
Harvard Club of Fitchburg (1909)	1	200	200
Harvard Club of Hawaii (1908)	1	200	200
Harvard Club of Lawrence (1911)	1	200	200
Harvard Club of Milwaukee (1910)	1	200	200
Harvard Club of New York City	1	200	200
Harvard Club of Rochester (1911)	1	200	200
Harvard Club of Western Pennsylvania	2	200	400
Harvard Club of Worcester (1909)	2	200	400
William Henry Meeker (1917)	1	200	200
New England Federation of Harvard Clubs	1	200	200
Dunlap Smith (1903)	1	200	200
Story (1864)	1	200	200
Charles Sumner (formerly C. S. Bird) (1910)	1	200	200
Swift (1899)	1	200	200
Josiah Dwight Whitney (1904)	1 or 2	200 or 100	200
Abbot (1852)	1	175	175
Browne (1687)	1	175	175
Anonymous (1912)	1	150	150
Boston Newsboys' (1906)	1	150	150
Daniel A. Buckley (1907)	50	150	7,500
Class of 1814 (1853)	1	150	150
Class of 1828 (1882)	1	150	150
Harvard Association of Eastern New York	1	150	150
Harvard Club of Kansas City, Missouri	1	150	150
Harvard Club of Kentucky	1	150	150
Harvard Club of Nebraska	1	150	150
Amounts carried forward	270		\$65,800

SCHOLARSHIPS

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Name (with Date of Foundation)	No	Stipend	Total.
Amounts brought forward . . .	270		\$65,800
Harvard Club of Newburyport . . .	1	\$150	150
Harvard Club of New Hampshire . . .	1	150	150
Harvard Club of Rhode Island . . .	1	150	150
Harvard Club of Vermont	1	150	150
Harvard Edda Club (1911)	1	150	150
Harvard Men of Newton	1	150	150
Kirkland, of the Class of 1815 (1852)	2	150	300
Normal School (1880)	4	150	600
William Reed (1907)	1	150	150
Henry Bromfield Rogers (1859)	1	150	150
Mary Saltonstall (1730)	2	150	300
Sever (1868)	1	150	150
Orlando W. Doe (1893)	1	125	125
Harvard Club of Lowell	2	125	250
Harvard Club of Maine (1911)	1	125	125
Philadelphia	2	125	250
Sales (1893)	2	125	250
Fall River (1893)	1	100	100
Harvard Club of Hingham (1910) . . .	1	100	100
Harvard Club of Lynn	1	100	100
Harvard Club of Somerville (1913) . .	1	100	100
Palfrey Exhibition (1821)	1	100	100
Walcott (1855)	2	100	200
Augustus Woodbury (1909)	1	100	100
Bassett (1876)	3	90	270
Wendell Phillips Memorial (1895)	1	75	75
Alford (1785) (accumulating)	1	..	..
Edwin William Friend Memorial Fund (1916)			
(not available at present) . . . . .	.	.	.
John Harvard (honorary) (Number not fixed) .	.	..	..
Harvard College (honorary) (Number not fixed)	.		..
Matthews (1870) (Number not fixed) . . . .	.	300	..
Pennoyer (1670) (accumulating) (Number not fixed)	.	..	..
Rodger (1883) (accumulating)	1	..	.
Stoughton (1701) (not available at present)	1	.	.
William Royall Tyler (Number not fixed) .	.	.	..
Ira Damon Van Duzee (1911) (not yet available)	1	..	..
Ricardo Prize Scholarship (see Prizes) . .		.	..
Totals	511		\$70,495

TERMS OF FOUNDATION AND AWARD

THE ABBOT SCHOLARSHIP, with an income of one hundred and seventy-five dollars. Established in 1852 by persons educated at Phillips Exeter Academy in memory of Dr BENJAMIN ABBOT, formerly Principal of that Academy. Preference to be given to descendants and other relations of Dr. ABBOT and to students from said Academy.

THE ALFORD SCHOLARSHIP; founded in 1785 from a bequest made by Mrs JOANNA ALFORD, of Charlestown. This fund is to accumulate for the present; and the scholarship is therefore not now available.

ANONYMOUS SCHOLARSHIP of one hundred and fifty dollars; for the benefit of an undergraduate in Harvard College

THE BARTLETT SCHOLARSHIP, with an income of two hundred and fifty dollars, from the bequest of Dr HENRY BARTLETT, of Roxbury, of the Class of 1820.

THE MATTHEW AND MARY E BARTLETT SCHOLARSHIP, with an income of four hundred and twenty-five dollars. Founded by Miss FANNIE BARTLETT of Boston, in memory of MATTHEW and MARY E BARTLETT, for the benefit of a worthy and meritorious student who is in need of financial assistance

THE BASSETT SCHOLARSHIPS, three, with an income of ninety dollars each, payable equally to three undergraduates, one of the Sophomore, one of the Junior, and one of the Senior Class. A bequest from FRANCIS BASSETT, of Dennis, of the Class of 1810.

THE BIGELOW SCHOLARSHIPS, two, with an income of three hundred dollars each. A bequest from TYLER BIGELOW, of Watertown, of the Class of 1801.

THE BORDEN SCHOLARSHIP, with an income of two hundred dollars. Founded in 1896, from a bequest made by SAMUEL AUGUSTUS BORDEN, the income to be used for needy and meritorious students, preference being given to those related to the donor or bearing the surname of Borden or Anderson

THE BOWDITCH SCHOLARSHIPS; twenty-one, with an income of two hundred and fifty dollars each. Founded in 1860 by NATHANIEL INGERSOLL BOWDITCH, of Boston, of the Class of 1822.

THE BRIGHT SCHOLARSHIPS; five, with an income of two hundred and fifty dollars each. Established in 1880 under the will of JONATHAN BROWN BRIGHT, of Waltham. Preference to be given to descendants of Henry Bright Jr., of Watertown, Mass. (died 1686), who bear the name of Bright

THE ADDISON BROWN SCHOLARSHIP, with an income of three hundred and twenty-five dollars. Founded by Mr ADDISON BROWN, of New York City, graduate of the Class of 1852. To be awarded to "a needy, meritorious undergraduate student"

THE BROWNE SCHOLARSHIP, with an income of one hundred and seventy-five dollars. Founded by WILLIAM BROWNE, of Salem, and his descendants. Preference to be given to descendants of the founders and to students from Salem, Mass.

THE DANIEL A BUCKLEY SCHOLARSHIPS, fifty, with an income of one hundred and fifty dollars each, for graduates of the public schools of the City of Cambridge. Established in 1907 under the will of DANIEL A BUCKLEY, of Cambridge, Mass.

THE MOREY WILLARD BUCKMINSTER SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded in 1898 by WILLIAM B BUCKMINSTER in memory of his son, MOREY WILLARD BUCKMINSTER, who, if he had lived, would have entered Harvard College in the Class of 1902. Preference to be given to the descendants of the Class of 1902.

THE BURR SCHOLARSHIPS, eight, with an income of two hundred dollars each. Established in 1895 from the bequest of Mrs SOPHIA GAGE BURR, of West Chester, Pennsylvania, widow of RUSHTON DASHWOOD BURR, a graduate of the Divinity School in the Class of 1852, who died in 1893.

THE FRANCIS H BURR, 1909, FUND, one, with an income of three hundred and twenty-five dollars. Established by friends "in memory of FRANCIS H. BURR, of the Class of 1909, the yearly income therefrom to be used in helping deserving undergraduates who combine as nearly as possible Burr's remarkable qualities of character, leadership, scholarship, and athletic ability. The recipient must be in need of financial assistance, and is to be chosen in the middle of his third year by the Dean of the College and the Chairman of the Athletic Committee. Announcement of the award is to be made at that time, and the gift is to be applied in the student's fourth year. The recipient is also to receive a copy of the memorial life of Burr."

THE CAMBRIDGE SCHOLARSHIPS. Free tuition during their first year is offered to those Cambridge boys who are graduates of the high schools of the city and whose parents cannot afford to pay their expenses.

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP, with an income at present of eleven hundred and twenty-five dollars. Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-five thousand dollars in memory of VICTOR EMANUEL CHAPMAN, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while

a member of the Flying Corps of the French Army This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University For further particulars, see page 298

THE RULUFF STERLING CHOATE SCHOLARSHIP, with an income of two hundred and seventy-five dollars Founded in 1884 by JOSEPH HODGES CHOATE, of New York, of the Class of 1852.

THE GEORGE NEWHALL CLARK SCHOLARSHIPS, two, with an income of two hundred and fifty dollars each; for Freshmen, to be held in proper cases throughout the recipient's college course. Founded in June, 1908, by Mr and Mrs EDWARD WALTER CLARK in memory of their son, GEORGE NEWHALL CLARK, of the Class of 1908. The founders have the right to nominate candidates before June first, if they choose to do so

THE THOMAS WILLIAM CLARKE SCHOLARSHIP, with an income of two hundred and twenty-five dollars Founded in 1911 from a bequest made by FREEBORN F RAYMOND, 2d, in memory of THOMAS WILLIAM CLARKE, of the Class of 1855.

THE SCHOLARSHIP OF THE CLASS OF 1802; with an income of four hundred dollars Preference to be given to descendants of members of said Class May be divided at the discretion of the Scholarship Committee

THE SCHOLARSHIP OF THE CLASS OF 1814, with an income of one hundred and fifty dollars Preference to be given to descendants of members of said Class

THE SCHOLARSHIP OF THE CLASS OF 1817, with an income of two hundred dollars Preference to be given to descendants of members of said Class

THE SCHOLARSHIP OF THE CLASS OF 1828, with an income of one hundred and fifty dollars. Preference to be given to descendants of members of said Class

THE SCHOLARSHIP OF THE CLASS OF 1835; with an income of two hundred and twenty-five dollars

THE SCHOLARSHIP OF THE CLASS OF 1841, with an income of two hundred and fifty dollars Preference to be given to descendants of members of said Class.

THE SCHOLARSHIPS OF THE CLASS OF 1844, three, with an income of two hundred dollars each Preference to be given to descendants of members of the Class of 1844.

THE SCHOLARSHIPS OF THE CLASS OF 1856; three, with an income of two hundred and fifty dollars each Founded by DAVID PULSIFER KIMBALL, of Boston, of the Class of 1856.

THE SCHOLARSHIP OF THE CLASS OF 1863; with an income of two hundred and twenty-five dollars Preference being given to descendants of members of the Class of 1863

THE SCHOLARSHIP OF THE CLASS OF 1867, with an income of three hundred and twenty-five dollars Awarded after the mid-year examinations to a member of the Freshman Class Preference to be given to descendants of members of said Class

THE SCHOLARSHIP OF THE CLASS OF 1877, with an income of two hundred and twenty-five dollars Founded by JAMES BYRNE, of the Class of 1877

THE SCHOLARSHIP OF THE CLASS OF 1883, with an income of two hundred and seventy-five dollars Founded by ALBERT C BURRAGE, of the Class of 1883, for members of the Senior Class Preference to be given to descendants of members of the Class of 1883.

THE CLEMENT HARLOW CONDELL SCHOLARSHIPS, four, with an income of two hundred and fifty dollars each. Established in 1911 from the income of the CLEMENT HARLOW CONDELL FUND, given August 26, 1911, by WILLIAM J RILEY, of Boston, in memory of his nephew, CLEMENT HARLOW CONDELL, of the Class of 1907, who afterwards attended the Law School.

THE CROWNINSHIELD SCHOLARSHIPS, two, with an income of two hundred and seventy-five dollars each, founded from a bequest made by FRANCIS BOARDMAN CROWNINSHIELD, of Boston, of the Class of 1829 For Freshmen, to be held in proper cases throughout the recipient's college course

THE WARREN H CUDWORTH SCHOLARSHIPS In 1884 Mrs C. M BARNARD, of Everett, provided in her will for the endowment of two scholarships with an income of three hundred dollars each in memory of Rev. WARREN HANDEL CUDWORTH, of the Class of 1850, a graduate of the Divinity School of 1851, who died in 1883 Preference to be given to students from East Boston, Lowell, and Everett

THE DANA SCHOLARSHIP OF THE CLASS OF 1852; with an income of two hundred and fifty dollars. Founded by Mrs. ANN F. SCHAEFFER, of Boston, in memory of her son, CHARLES FRANCIS DANA, of the Class of 1852.

THE JULIUS DEXTER SCHOLARSHIP, with an income of three hundred dollars. Preference to be given to students from Cincinnati in particular and from Ohio in general. May be divided at the discretion of the Scholarship Committee.

THE ORLANDO W. DOE SCHOLARSHIP, with an income of one hundred and twenty-five dollars. Founded by Dr. ORLANDO WITHERSPOON DOE, of Boston, of the Class of 1865.

THE WILLIAM SAMUEL ELIOT SCHOLARSHIP, with an income of two hundred and fifty dollars. Preference is given to a student taking a Greek elective. Founded by SAMUEL ELIOT, of Boston, of the Class of 1839, in memory of his son, WILLIAM SAMUEL ELIOT, of the Class of 1874

THE JOSEPH EVELETH SCHOLARSHIPS, four, with an income of two hundred dollars each. Founded by JOSEPH EVELETH, of Boston and Watertown, Sheriff of Suffolk County from 1840 to 1855 except in 1853

THE FALL RIVER SCHOLARSHIP, with an income of one hundred dollars. Established by MILTON REED, of Fall River, of the Class of 1868, and by the Harvard Club of Fall River. Preference to be given to a student from the City of Fall River, Massachusetts.

THE FARRAR SCHOLARSHIP, with an income of three hundred dollars. Founded by Mrs ELIZA FARRAR, of Springfield, in memory of her husband, JOHN FARRAR, of the Class of 1803, Hollis Professor of Mathematics and Natural Philosophy from 1807 to 1836

THE GEORGE FISHER AND ELIZABETH HUNTINGTON FISHER SCHOLARSHIP, with an income of two hundred dollars. Established by FRANCIS PORTER FISHER and by FREDERICK PITKIN FISHER, both of the Class of 1848, as a memorial to their father and mother. Preference is to be given to the collateral heirs of Francis P. Fisher, of the Class of 1848

THE EDWIN WILLIAM FRIEND MEMORIAL FUND. Established in 1916 by fellow students, teachers, and associates of EDWIN WILLIAM FRIEND, the income to be used for aiding students in the Department of Philosophy, especially such as are interested in Psychical Research, Greek Philosophy, or problems on the borderland between Biology and Physics and Philosophy. The income is to be used as a loan fund, a scholarship, or a fellowship. (Not yet available)

THE RICHARD AUGUSTINE GAMBRILL SCHOLARSHIP, with an income of five hundred and fifty dollars. Founded by Mrs ANNA VAN NEST GAMBRILL, of New York, in memory of her husband, RICHARD AUGUSTINE GAMBRILL, a graduate of the College of the Class of 1872, and of the Law School in 1876.

THE WILLIAM GASTON SCHOLARSHIP, with an income of two hundred and twenty-five dollars. Founded in 1915 by Miss SARAH H. GASTON in memory of her father, WILLIAM GASTON, LL D. 1875

THE CHARLES HAVEN GOODWIN SCHOLARSHIP, with an income of three hundred and fifty dollars. Founded by Professor WILLIAM WATSON GOODWIN, of the Class of 1851, in memory of his son, a graduate of the Class of 1888. "The beneficiary must be either a graduate of Harvard College who is a student of the Classics in the Graduate School, or a member of the Senior Class in Harvard College"

THE BENJAMIN D. GREENE SCHOLARSHIP, with an income of two hundred dollars. Founded by BENJAMIN DANIEL GREENE, of Boston, of the Class of 1812

THE PRICE GREENLEAF SCHOLARSHIPS, ten, with an income of three hundred dollars each. Established under the will of EZEKIEL PRICE GREENLEAF, of Quincy

THE THOMAS HALL SCHOLARSHIP OR SCHOLARSHIPS, with an income of four hundred and fifty dollars. Founded by MRS THOMAS HALL in memory of her son, THOMAS HALL, Jr., of the Class of 1893, to be awarded to a member or members of the Freshman Class. May be divided at the discretion of the Scholarship Committee.

THE SELWYN LEWIS HARDING SCHOLARSHIP, with an income of two hundred and twenty-five dollars. Founded in 1911 from a bequest made by WILLIAM S. HARDING of Cambridge in memory of his son, SELWYN LEWIS HARDING, of the Class of 1886. "The annual income of said fund in an amount not exceeding three hundred and fifty dollars to any one beneficiary thereof, shall be paid to such needy, worthy, and industrious student as shall have been connected with the University's undergraduate department . . . for a period of one year at least. No worthy applicant for the benefit of said fund shall be deprived of it because unsuccessful in obtaining high grade marks . . . my wish is rather that the benefits . . . shall go to that class of young men who have striven to do their best work that they were capable of . . . and that the beneficiary . . . shall continue to receive the annual award throughout his collegiate course so long as he continues worthy of receiving the same. In case no award is made in any year and also when the income . . . exceeds three hundred and fifty dollars the accrued income shall be added to it and made part of the principal fund."

THE SCHOLARSHIPS OF THE ASSOCIATED HARVARD CLUBS, six, with an income of three hundred dollars each. Maintained through the cooperation of the Harvard Clubs of Chicago, New York, Cincinnati, Minnesota, North Carolina, St. Louis, Cleveland, Florida, and Philadelphia. To be awarded in 1918-19 to properly qualified applicants for admission to Harvard University (preference being given to applicants entering the Freshman class) from the following states: Arizona, Arkansas, Delaware, Florida, Nevada, North Carolina, North Dakota, South Carolina, South Dakota, West Virginia, and Wyoming. Further information may be secured from Mr. HORACE F. BAKER, Chairman of the Scholarship Committee of the Associated Harvard Clubs, 413 Wabash Building, Chicago, Ill.

THE JOHN HARVARD SCHOLARSHIPS, without stipend. These scholarships are awarded, at the beginning of each academic year, to undergraduates

of Harvard College whose work in the preceding year is of such excellence that they are deemed worthy of very high academic distinction, and who do not receive scholarships having stipends Applications are not received for JOHN HARVARD Scholarships

THE HARVARD COLLEGE SCHOLARSHIPS, without stipend These scholarships are awarded, at the beginning of each academic year, to undergraduates of Harvard College who have shown marked excellence in the work of the preceding year but have not attained the standard required for the JOHN HARVARD Scholarships, and who do not receive scholarships having stipends No applications are received for the Harvard College Scholarships

THE SCHOLARSHIP OF THE HARVARD ASSOCIATION OF EASTERN NEW YORK, with an income of one hundred and fifty dollars, to be given to some graduate of a high school in Eastern New York in his first year of residence at Harvard College as an undergraduate, the recipient to be nominated by the Club

THE SCHOLARSHIP OF THE HARVARD CLUB OF AKRON, OHIO, with an income of two hundred and twenty-five dollars

THE SCHOLARSHIPS OF THE HARVARD CLUB OF BOSTON, five, of two hundred dollars each, to be awarded annually, beginning with 1910-11, "to properly qualified graduates of public high and Latin schools (including Roxbury Latin School) within a radius of twenty miles from the State House in Boston, during their first year in Harvard College as candidates for the degree of A B or S B."

THE SCHOLARSHIP OF THE HARVARD CLUB OF BUFFALO, with an income of two hundred dollars Maintained by the HARVARD CLUB OF BUFFALO and awarded by a Committee of that Club Preference to be given to a student residing in Erie County, New York.

THE SCHOLARSHIPS OF THE HARVARD CLUB OF CHICAGO, three of three hundred and fifty dollars each, to be awarded to graduates of Illinois high schools. The beneficiaries are to be appointed by a Committee of the Club

THE SCHOLARSHIPS OF THE HARVARD CLUB OF CINCINNATI, two of two hundred and fifty dollars, to be awarded annually to students entering Harvard College from Hamilton County, Ohio The award is to be made by the Scholarship Committee of Harvard University, based upon entrance examinations and the report of the Committee of the Harvard Club of Cincinnati as to the general merit, needs, and future possibilities of the various candidates; one hundred dollars of the above sum to be paid to the student upon registering, and one hundred and fifty dollars to be held by the Treasurer of Harvard College to pay the tuition fee.

THE SCHOLARSHIPS OF THE HARVARD CLUB OF CLEVELAND, three of three hundred dollars each, for Freshmen, to be awarded each year upon recommendation of the Executive Committee of the Harvard Club of Cleveland; preference to be given to students from Cleveland or from northern Ohio.

THE SCHOLARSHIP OF THE CONNECTICUT VALLEY HARVARD CLUB, two hundred dollars, to be awarded to a member of the Freshman Class of Harvard College upon recommendation of the Club, preference to be given to students from Springfield and Hampden County.

THE SCHOLARSHIP OF THE HARVARD CLUB OF DELAWARE; with an income of three hundred dollars Open to members of the Freshman Class in Harvard College who are residents of the State of Delaware and graduates of Delaware schools

THE SCHOLARSHIP OF THE HARVARD CLUB OF FALL RIVER, with an income of three hundred dollars Maintained by the Club and the beneficiary to be nominated by the Club

THE SCHOLARSHIP OF THE HARVARD CLUB OF FITCHBURG, with an income of two hundred dollars

THE SCHOLARSHIP OF THE HARVARD CLUB OF HAWAII, with an income of two hundred dollars It is proposed to maintain the scholarship by annual contribution, the award to be made with the understanding that it is a loan, repayable after a term of years The beneficiaries are to be nominated by the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF HINGHAM, with an income of one hundred dollars The recipient is nominated by the Club

THE SCHOLARSHIP OF THE HARVARD CLUB OF KANSAS CITY, Mo.; one hundred and fifty dollars, to be awarded to a member of the Freshman Class of Harvard College, coming from the State of Missouri or the State of Kansas, preferably from Jackson County, Missouri, or Wyandotte County, Kansas; the beneficiary to be appointed by a Committee of the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF KENTUCKY, with an income of one hundred and fifty dollars. Maintained by the Club and the beneficiary to be nominated by the Club

THE SCHOLARSHIP OF THE HARVARD CLUB OF LAWRENCE, with an income of two hundred dollars. Maintained by the Club. The beneficiary is to be nominated by the Club.

THE SCHOLARSHIPS OF THE HARVARD CLUB OF LONG ISLAND, three, with an income of two hundred and fifty dollars each, to be awarded to graduates of preparatory or high schools on Long Island who enter the Freshman Class of Harvard College as candidates for the degree of A.B. or S.B. The beneficiaries are to be nominated by the Club.

THE SCHOLARSHIPS OF THE HARVARD CLUB OF LOWELL; two, with an income of one hundred and twenty-five dollars each.

THE SCHOLARSHIP OF THE HARVARD CLUB OF LYNN, "one hundred dollars, to be annually awarded to one student entering Harvard from Lynn, Swampscott, Saugus, or Nahant, deemed by the Executive Committee worthy of such aid"

THE SCHOLARSHIP OF THE HARVARD CLUB OF MAINE, with an income of one hundred and twenty-five dollars. Intended primarily for "a *Freshman* . . who comes from Maine and has been fitted for Harvard by a Maine preparatory school" If there is no Freshman candidate in any one year the scholarship may be given to a Sophomore, a Junior, or a Senior. The award is made by a committee of the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF MARYLAND, with an income of two hundred and fifty dollars; to be awarded to a graduate of a high or preparatory school in the State of Maryland during his first year in Harvard College."

THE SCHOLARSHIP OF THE HARVARD CLUB OF MICHIGAN, established in 1910, two hundred and fifty dollars, to be awarded to a student from Michigan during his Freshman year at Harvard College. The beneficiary to be appointed by a Committee of the Harvard Club of Michigan.

THE SCHOLARSHIPS OF THE HARVARD GRADUATES LIVING IN MILTON, MASSACHUSETTS, two, with an income of two hundred and fifty dollars each, to be awarded to students entering Harvard College from the schools of Milton.

THE SCHOLARSHIP OF THE HARVARD CLUB OF MILWAUKEE, established in 1910, two hundred dollars, to be awarded to a member of the Freshman Class of Harvard College who is a properly qualified graduate of one of the high schools of Milwaukee. The beneficiary is to be nominated by the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF MINNESOTA, established in 1910, three hundred dollars, to be awarded to a member of the Freshman Class of Harvard College coming from a high school in the State of Minnesota; the appointment to be made by the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF NEBRASKA, one hundred and fifty dollars, to be awarded to a graduate of a Nebraska high school, college, or university, during his first year of residence at Harvard University; the beneficiary to be nominated by the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF NEW BEDFORD; two hundred and fifty dollars, to be given to a student from New Bedford entering the Freshman Class of Harvard College; the beneficiary to be appointed by the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF NEWBURYPORT; with an income of one hundred and fifty dollars, to be awarded to graduates of the high schools in Newburyport and Amesbury who are admitted to the Freshman Class in Harvard College.

THE SCHOLARSHIP OF THE NEW ENGLAND FEDERATION OF HARVARD CLUBS; with an income of two hundred dollars. Maintained by the Federation, and awarded by the Committee on Scholarships for the New England Federation of Harvard Clubs.

THE SCHOLARSHIP OF THE HARVARD CLUB OF NEW HAMPSHIRE; with an income of one hundred and fifty dollars. Maintained by the Club, and the beneficiary to be nominated by the Club.

THE PRIZE SCHOLARSHIP OF THE HARVARD CLUB OF NEW JERSEY. The Harvard Club of New Jersey offers an annual prize of two hundred and fifty dollars to the student from New Jersey entering the Freshman Class in Harvard College with the highest credit in his examinations for admission. This prize is open only to students of good character taking their final examinations in June, who have been actual residents of New Jersey for an entire school year immediately preceding that month and who have spent the year in a school in New Jersey. Every candidate must send his name to Mr ARTHUR R. WENDELL, Rahway, N J., on or before June 1 of the year in which he intends to enter, stating his residence and the school at which he is preparing. Results of preliminary examinations counted for admission will be considered in awarding the prize. One-half of the amount of the prize will be paid upon matriculation and the other half on or before February 1, 1918. It is desirable, though not necessary, that candidates for the prize to be awarded in 1918 notify the Secretary of the Harvard Club of New Jersey of their intention to compete previous to the time for the preliminary examinations so that they may receive proper credit therefor.

* THE SCHOLARSHIP OF THE HARVARD MEN OF NEWTON, one hundred and fifty dollars. "This scholarship is offered to an undergraduate of Harvard College whose home is or has been in Newton, and the award of it is to rest with the Executive Committee of the Harvard Men of Newton."

THE HARVARD CLUB OF NEW YORK CITY SCHOLARSHIP, one, with an income of two hundred dollars, to pay the tuition of a Freshman

THE SCHOLARSHIP OF THE HARVARD CLUB OF RHODE ISLAND; with an income of one hundred and fifty dollars, to be awarded to a graduate of a Rhode Island public school who is admitted to Harvard College as a member of the Freshman Class.

THE SCHOLARSHIP OF THE HARVARD CLUB OF ROCHESTER, N.Y.; with an income of two hundred dollars; maintained by the Club The beneficiary is to be nominated by the Club

THE SCHOLARSHIP OF THE ROCKY MOUNTAIN HARVARD CLUB, with an income of two hundred and fifty dollars Maintained by the ROCKY MOUNTAIN HARVARD CLUB, of Denver, Colorado, to be awarded to a promising graduate of a Colorado college or school, the appointment to be made annually by a committee of the Club

THE SCHOLARSHIP OF THE HARVARD CLUB OF ST. LOUIS, with an income of three hundred dollars Maintained by the Harvard Club of St. Louis, and awarded by the College Committee on Scholarships, subject to the advice and approval of the Committee on Scholarships of the Harvard Club of St. Louis in the following order of preference. " (1) To a Freshman in Harvard College from the State of Missouri; (2) To a student either in Harvard College or in the Graduate School of Arts and Sciences, whose preparation and home have been in or about the City of St. Louis, or to a first year's student in the Graduate School of Arts and Sciences from the State of Missouri "

THE SCHOLARSHIP OF THE HARVARD CLUB OF SAN FRANCISCO, with an income of five hundred dollars. Maintained by the Club, and the beneficiary to be nominated by the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF SANTA BARBARA, with an income of three hundred dollars.

THE SCHOLARSHIP OF THE HARVARD CLUB OF SOMERVILLE; with an income of one hundred dollars To be awarded to a Freshman entering Harvard College from the Somerville High School, the recipient is to be named by the College officials, preference to be given to some needy student whose work entitled him to consideration.

THE SCHOLARSHIP OF THE HARVARD CLUB OF VERMONT; with an income of one hundred and fifty dollars. To be awarded to a deserving student from Vermont who registers as an undergraduate in Harvard College, the beneficiary to be appointed by the Executive Committee of the Harvard Club of Vermont.

THE SCHOLARSHIP OF THE HARVARD CLUB OF WASHINGTON, D.C.; with an income of two hundred and fifty dollars Offered by the Club to a student from a secondary school of Washington (preferably in his first year at College) by a committee of the Washington Harvard Club.

THE SCHOLARSHIPS OF THE HARVARD CLUB OF WESTERN PENNSYLVANIA; one of three hundred dollars, and two of two hundred dollars each. To be awarded to properly qualified students from Pittsburgh or the vicinity who

are undergraduates in Harvard College, the recipients to be nominated by the Club.

THE SCHOLARSHIPS OF THE HARVARD CLUB OF WORCESTER, two of two hundred dollars each Offered by the Club, to be awarded to Freshmen in Harvard College coming from Worcester, Mass

THE HARVARD EDDA CLUB SCHOLARSHIP, with an income of one hundred and fifty dollars The holder must be a Scandinavian student and a member of the Edda Club, not below the rank of Senior, and shall instruct a class in English for Scandinavians at the Prospect Union four hours weekly To be nominated by the directors of the Edda Club Corporation and approved by a committee of the Faculty

THE N. P. HALLOWELL, '61, MEMORIAL SCHOLARSHIP, with an income of two hundred and twenty-five dollars Founded in 1915 by the children of Norwood Penrose Hallowell, of the Class of 1861 To be awarded to an undergraduate who shall be selected after the mid-year examinations of his Freshman year, the scholarship to be held until graduation

THE JOHN APPLETON HAVEN SCHOLARSHIP, with an income of four hundred and seventy-five dollars Founded by JOHN HAVEN, of the Class of 1841, in memory of his father, JOHN APPLETON HAVEN, of Portsmouth, New Hampshire, a graduate of the Class of 1813 Preference is to be given to any one bearing the name of Haven, and to descendants of members of the Class of 1841 The income may be divided between two worthy students.

THE HILTON SCHOLARSHIP, with an income of two hundred and twenty-five dollars. Founded from a bequest of WILLIAM HILTON Four scholarships exist on this foundation, of which one is assigned to Harvard College

THE EBENEZER ROCKWOOD HOAR SCHOLARSHIPS, two, with an income of two hundred and twenty-five dollars each, preference to be given to students from the town of Concord, Mass Founded by EBENEZER ROCKWOOD HOAR, of Concord, of the Class of 1835

THE RICHARD MANNING HODGES SCHOLARSHIP, with an income of two hundred and seventy-five dollars, for Seniors Founded by Rev RICHARD MANNING HODGES, of Cambridge, Mass, of the Class of 1815

THE HOLLIS SCHOLARSHIP, with an income of three hundred dollars. Founded by THOMAS HOLLIS, of London, and his brother, NATHANIEL HOLLIS, for the benefit of pious young students designed for the ministry May be divided at the discretion of the Scholarship Committee

THE HENRY B HUMPHREY SCHOLARSHIP, with an income of five hundred dollars. Founded by Mrs PASTORA E HUMPHREY, of Newport, Rhode

Island Preference to be given, first, to any pupil from Thomaston, Knox County, Maine, next, to any pupil from said Knox County; next, to any pupil from said State of Maine This scholarship may be given to a Special Student in Harvard College

THE C L JONES SCHOLARSHIPS, six, with an income of two hundred and twenty-five dollars each Founded by CHARLES L JONES, of Cambridge, Mass., and received in 1901

THE KIRKLAND SCHOLARSHIPS, two, with an income of one hundred and fifty dollars each Founded by the CLASS OF 1815, in memory of JOHN THORNTON KIRKLAND, President of the University from 1810 to 1828 Preference to be given to descendants of members of said Class

THE LINCOLN SCHOLARSHIP, with an income of three hundred dollars. Founded by MISS LEVINA HOAR, of Lincoln Preference to be given to students from the town of Lincoln, Massachusetts (undergraduate or graduate).

THE GEORGE EMERSON LOWELL SCHOLARSHIPS, two, with an income of two hundred and fifty dollars each "Excellence in the Classics or in Athletics is recommended as a desirable qualification." Founded by Judge JOHN LOWELL, of Boston, of the Class of 1843, in memory of GEORGE EMERSON LOWELL, of the Class of 1833

THE ROBERT F MANNING SCHOLARSHIPS, two, with an income of two hundred and twenty-five dollars each Founded in 1915 by Judge and Mrs DAVID F MANNING in memory of their son, ROBERT F MANNING, of the Class of 1904 To be awarded to such needy, worthy, and industrious students as the University authorities may select.

THE MARKOE SCHOLARSHIP, with an income of two hundred and fifty dollars Founded by Mrs. JOHN MARKOE, in memory of her son, JAMES BROWN MARKOE

THE MATTHEWS SCHOLARSHIPS, with an income of three hundred dollars each Founded by NATHAN MATTHEWS, of Boston, in 1870, from one half the net income from Matthews Hall. Preference to be given to those intending to study for the ministry of the Protestant Episcopal Church, and to sons of clergymen of the Protestant Episcopal Church. A portion of the Matthews Scholarships may be assigned in advance to students admitted to the Senior Class who intend to study for the ministry of the Protestant Episcopal Church, provided they present satisfactory evidence of high scholarship.

THE WILLIAM HENRY MEEKER, 1917, SCHOLARSHIP, with an income of two hundred dollars. Established in 1917 by HENRY E. MEEKER in memory of his son, WILLIAM HENRY MEEKER, of the Class of 1917, who was killed in September, 1917, while serving his country as an aviator in France. To be awarded for excellence in some of the courses in English.

THE WILLIAM MERRICK SCHOLARSHIP, with an income of three hundred dollars. Founded by WILLIAM MERRICK, of Springfield, Mass., of the Class of 1870. Preference to be given to descendants of members of said Class.

THE MOREY SCHOLARSHIP, with an income of four hundred dollars. The scholarship may be divided between two undergraduates. Founded by GEORGE MOREY, of Boston, of the Class of 1811. Preference to be given to descendants of Rev. GEORGE MOREY, of the Class of 1776.

THE LADY MOWLSON SCHOLARSHIP, with an income of two hundred and seventy-five dollars. In 1643 Lady ANN MOWLSON, of London, founded the first scholarship in Harvard College, the income to be paid to some poor scholar until he shall attain the degree of Master of Arts, any kinsman of Lady Mowlson having preference over other scholars.

THE WILLIAM STANISLAUS MURPHY SCHOLARSHIPS, nine, with an income of two hundred and fifty dollars each. Founded by WILLIAM STANISLAUS MURPHY, of the Class of 1885, to be used for the collegiate education of men of the name of Murphy who, in the judgment of the Faculty, prove deserving of this kind of encouragement. These scholarships are available for students in all departments of the University.

Application should be made to Dean L. B. R. BRIGGS, the Chairman of the Committee on General Scholarships and on the Sheldon Fund.

THE BOSTON NEWSBOYS' SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded in 1906 by the Boston Newsboys' Protective Union, to be awarded, for the student's first year only, to that one of the newsboys eligible to compete who passes Harvard admission examinations with the highest percentage.

THE HOWARD GARDNER NICHOLS SCHOLARSHIP, with an income of two hundred and seventy-five dollars. Founded in 1897 by J. HOWARD NICHOLS, of Newton, Massachusetts, for undergraduates, in memory of his son, HOWARD GARDNER NICHOLS, who graduated at Harvard College with the Class of 1893, and died in 1896 as the result of an accident at the cotton mill which he had built in Northern Alabama. Preference to be given to students from Northern Alabama.

THE NORMAL SCHOOL SCHOLARSHIPS, not exceeding four at any one time, with an income of one hundred and fifty dollars each. Maintained by the University, for the benefit of students in Harvard College who are graduates of reputable Normal Schools in the United States

THE LUCY OSGOOD SCHOLARSHIP, with an income of two hundred and seventy-five dollars. Founded by Miss LUCY OSGOOD, of Medford, Massachusetts

THE PALFREY EXHIBITION, with an income of one hundred dollars, for Seniors. Founded by JOHN GORHAM PALFREY, of Cambridge, of the Class of 1815. The income of this foundation is given "to the most distinguished scholar among the indigent members of the Senior Class," in addition to that of one of the other scholarships.

THE STANLEY BAGG PENNOCK SCHOLARSHIP, with an income of two hundred and fifty dollars. Established by JOHN D PENNOCK in memory of his son, STANLEY BAGG PENNOCK, of the Class of 1915, to be awarded by the Division of Chemistry to an indigent Senior student in College who, specializing in chemistry and intending to follow a chemical career, is judged by the Chemical Faculty to be worthy of it through conscientious effort and reasonably high standing.

THE PENNOYER SCHOLARSHIPS. In 1670, WILLIAM PENNOYER, of England, gave an annuity from his estate in Norfolk for the benefit of two fellows and two scholars, one of the latter, as often as occasion shall present, to be of the posterity of ROBERT PENNOYER, and the other from New Haven Colony, if conveniently may be. This fund is to accumulate for the present, and the scholarship therefore is not now available.

THE CHARLES ELLIOTT PERKINS SCHOLARSHIPS, two undergraduate scholarships and one graduate scholarship with an income of four hundred dollars each. Founded by Mrs CHARLES ELLIOTT PERKINS, of Burlington, Iowa. The income of the fund to be divided among three or more scholarships, in accordance with the following terms:—

I. One undergraduate scholarship of at least \$400, to be offered annually, upon his graduation from an Iowa high school, to a *bona fide* resident of that part of the State of Iowa which is now served by the Chicago, Burlington & Quincy Railway system.

II. One undergraduate scholarship of \$400, to be offered annually to students from Iowa high schools . . .

III. One graduate scholarship of \$400, to be offered each year to a graduate of an Iowa college or university in any of the graduate or professional departments of Harvard University.

The assignment of these scholarships for the year 1918-19 will be made on or about April 1, 1918, and applications for that year should be in the hands of the Secretary not later than March 1, 1918.

THE REBECCA A PERKINS SCHOLARSHIP, with an income of two hundred and twenty-five dollars. Founded by REBECCA A PERKINS, of Fitchburg, for the benefit of some indigent undergraduate who must apply in writing to the President of the College "setting forth his pecuniary need and also the inability of parents to defray his College expenses," and must send a certificate of a municipal officer of the city or town, where the applicant resides, that the facts are as stated in the application.

THE PHILADELPHIA SCHOLARSHIPS, one of three hundred and fifty dollars, and two of one hundred and twenty-five dollars each. Preference to be given to Freshmen. Founded by the HARVARD CLUB OF PHILADELPHIA. The appointment to this scholarship is subject to the approval of the Executive Committee of the Harvard Club of Philadelphia.

THE WENDELL PHILLIPS MEMORIAL SCHOLARSHIP, with an income of seventy-five dollars. To be awarded to one about to become a Junior, who has completed his Freshman and Sophomore years in this College. The beneficiary must be one who has special oratorical powers, and so gives promise of becoming a real force as a public speaker; and he is to have the benefit of the scholarship for one or both of the last two years of his College course. Founded by the WENDELL PHILLIPS MEMORIAL ASSOCIATION. If for any reason this scholarship should become vacant during the period for which it is awarded the donors prefer that it should go to some other person in the same class.

THE ELNATHAN PRATT SCHOLARSHIP, with an income of two hundred and twenty-five dollars. "To be devoted annually to the support of one deserving and needy student in the undergraduate department of Harvard College, the preference to be given to a student coming from Worcester, Massachusetts."

THE WILLIAM REED SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded by MILTON REED, of Fall River, Mass., of the Class of 1868, in memory of WILLIAM REED, his father (born in Newburyport, Mass., March 27, 1818; died in Fall River, November 7, 1894). Preference to be given to descendants of said WILLIAM REED who may be students in any department of Harvard University "and who shall certify that they need it."

THE JULIAN HENRY REINHERZ SCHOLARSHIP, with an income of three hundred dollars Established in 1917 by Mrs E B REINHERZ in memory of her son, JULIAN HENRY REINHERZ, of the Class of 1918, for needy undergraduate students in the College

THE RICARDO PRIZE SCHOLARSHIP. See page 244.

THE RODGER SCHOLARSHIP Founded by Rev. JAMES G. RODGER, of Dekalb, New York Not yet available

THE HENRY BROMFIELD ROGERS SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded by HENRY BROMFIELD ROGERS, of Boston, of the Class of 1822.

THE NATHANIEL ROPES, JR, SCHOLARSHIP, with an income of five hundred dollars Established by the bequests of Miss MARY P ROPES and Miss ELIZA O ROPES, of Salem, Mass.

THE JAMES A RUMRILL SCHOLARSHIPS; two, with an income at present of two hundred and twenty-five dollars each Founded by Mrs. JAMES A. RUMRILL, in memory of her husband, JAMES AUGUSTUS RUMRILL, of Springfield, Mass, of the Class of 1859 Preference to be given to "properly qualified students in their first year of residence as undergraduates in Harvard College who enter Harvard as graduates of secondary schools in Virginia, North and South Carolina, Florida, Georgia, Tennessee, and Kentucky."

The assignment of these scholarships for the year 1918-19 will be made on or about April 1, 1918, and applications for that year should be in the hands of the Secretary not later than March 1, 1918

Applications should state clearly the grounds on which financial aid is required, and they should be accompanied by testimonials from teachers and others regarding the qualifications mentioned in the terms of gift

THE EDWARD RUSSELL SCHOLARSHIP, with an income of two hundred and seventy-five dollars Founded by EDWARD RUSSELL, of Boston, "to be known as the EDWARD RUSSELL Scholarship, as a memorial to my grandfather of that name, who was graduated at the College in class of 1759; and to my father of same name who was graduated at the College in class of 1803." This scholarship may be awarded to a student in a graduate department of the University It may be divided at the discretion of the Scholarship Committee

THE SALES SCHOLARSHIPS; two, with an income of one hundred and twenty-five dollars each Founded in 1893 by FRANCIS SALES, of Cambridge, A M. 1835, Instructor in Spanish and French from 1816 to 1854.

THE SALTONSTALL SCHOLARSHIP, with an income of five hundred and twenty-five dollars. Founded from a bequest by Mrs DOROTHY SALTONSTALL, of Boston, received in 1739, and added to by HENRY SALTONSTALL, of Boston, of the Class of 1848

THE MARY SALTONSTALL SCHOLARSHIPS, two, with an income of one hundred and fifty dollars each. Founded by Madam MARY SALTONSTALL, widow of Gov. Gurdon Saltonstall of Connecticut, the income to be given to two persons without means, of bright parts and good diligence (always dissenters), to fit them for the service of the Church of Christ, those related to the giver by consanguinity to be preferred. LEVERETT SALTONSTALL, of Salem, of the Class of 1802, added to this fund. For the present these scholarships are available only for students in Harvard College (always dissenters), in their Junior and Senior years

THE PHILIP H SEARS SCHOLARSHIP, with an income of seven hundred dollars. Established in 1914 under the will of Mrs PHILIP H SEARS in memory of her husband, PHILIP H SEARS, of the Class of 1844, to be awarded on the recommendation of the Department of Philosophy and Psychology.

THE SEVER SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded by Colonel JAMES WARREN SEVER, of Boston, of the Class of 1817. Preference to be given to applicants from Kingston and Plymouth, Mass.

THE SEWALL SCHOLARSHIPS, two, with an income of two hundred and fifty dollars each. Founded by Judge SAMUEL SEWALL, of Boston, of the Class of 1671, and his wife HANNAH. "Preference to be given to students from Petaquamscot in the Narragansett country, otherwise called King's Province, English or Indians, if any such there be."

THE SHIMMIN FUND, with an income of two hundred and twenty-five dollars. Founded by Miss BLANCHE SHIMMIN, in memory of her nephew, CHARLES SHIMMIN JEFFRIES, a member of the Class of 1899.

THE SLADE SCHOLARSHIP, with an income of two hundred and seventy-five dollars. Founded by Dr. DANIEL DENISON SLADE, of Chestnut Hill, Mass., of the Class of 1844

THE DUNLAP SMITH SCHOLARSHIP, with an income of two hundred dollars. Founded by the HARVARD CLUB OF CHICAGO, in 1903, in memory of DUNLAP SMITH, of the Class of 1884, one of the ex-presidents of the Club. Preference to be given — First, to the sons of Dunlap Smith, second, to the sons of present members of the Harvard Club resident at the time of application in Chicago or its vicinity, and third, to other residents of Chicago or its vicinity

THE STORY SCHOLARSHIP, with an income of two hundred dollars
Founded by AUGUSTUS STORY, of Salem, of the Class of 1832

THE STOUGHTON SCHOLARSHIP, with an income of one hundred and fifty
dollars Founded by Lieut Gov. WILLIAM STOUGHTON, of the Class of 1650.
Preference to be given first to students from Dorchester, second to students
from Milton (Not available at present)

THE CHARLES SUMNER (formerly the C S BIRD) SCHOLARSHIP, with a
stipend of two hundred dollars, a gift of CHARLES S BIRD, to be given
through the Harvard Club of Boston "on the same conditions as those
attached to the Scholarships of the Harvard Club of Boston"

THE SWIFT SCHOLARSHIP, with an income of two hundred dollars.
Founded by Miss ELIZABETH R. SWIFT. To be given to a student from
the town of Milton, Mass, the selection to be made by the Minister and the
Trustees of the Parish Fund of the First Congregational Church in Milton.

THE TOPPAN SCHOLARSHIP, with an income of three hundred and twenty-
five dollars Founded by Mrs ANN TOPPAN, of Portsmouth, New Hamp-
shire, in memory of her husband, CHRISTOPHER S TOPPAN.

THE WILLIAM ROYALL TYLER SCHOLARSHIP, founded by the Trustees
of the William Royall Tyler Memorial Fund for deserving Freshmen
Preference to be given to sons of former pupils of Adams Academy. (Not
available at present)

THE IRA DAMON VAN DUZEE SCHOLARSHIP, founded in 1911 from a
bequest made by IRA DAMON VAN DUZEE, "the income to aid in the support
and education of one worthy student" (Not yet available)

THE WALCOTT SCHOLARSHIPS, two, with an income of one hundred dollars
each Founded by bequest of SAMUEL BAKER WALCOTT, of the Class of 1819.

THE JACOB WENDELL SCHOLARSHIP, with an income of two hundred and
fifty dollars Established from a bequest of five thousand dollars made by
JACOB WENDELL May be divided at the discretion of the Scholarship
Committee.

THE WILLIAM WHITING SCHOLARSHIPS; one with an income of three
hundred dollars, two with an income of two hundred and seventy-five
dollars each Founded by bequest of WILLIAM WHITING, of Boston, of
the Class of 1833, preference to be given to any of the descendants of the
founder or of the Rev Samuel Whiting, his first ancestor in America, "who
shall otherwise, in the opinion of the Corporation, be a proper person to
receive such assistance."

THE JOSIAH DWIGHT WHITNEY SCHOLARSHIP, with an income of two hundred dollars, to aid meritorious students in the study of field geology or geography in the summer months, — preferably in the mountain region of the Western United States. Founded by Miss MARIA WHITNEY.

The award of this scholarship and of grants of money from the income is made upon the recommendation of the Department of Geology and Geography. Applications should be mailed to the Chairman of the Department on or before the first of March. The scholarship will ordinarily be paid on or about the 1st of July.

THE MARY L. WHITNEY SCHOLARSHIP, two, one with an income of three hundred dollars, the other with an income of two hundred and twenty-five dollars, for Freshmen. Founded by Mrs. MARY L. WHITNEY and her son, CHARLES L. B. WHITNEY, of the Class of 1871.

THE AUGUSTUS WOODBURY SCHOLARSHIP, with an income of one hundred dollars. Founded by AUGUSTUS WOODBURY. To be awarded to students who have been prepared for college at Phillips Exeter Academy in Exeter, New Hampshire.

THE CHARLES WYMAN SCHOLARSHIP, with an income of four hundred and seventy-five dollars. Founded by Mrs. SARAH WYMAN WHITMAN. In the assignment of this scholarship preference will be given to advanced students of History in Harvard College, unless in any year no desirable candidate from Harvard College appears, in which case the scholarship may be assigned to a student in the Graduate School of Arts and Sciences.

AWARD AND TENURE OF SCHOLARSHIPS

To resident holders of scholarships having stipends, the income thereof is payable at the Bursar's Office, three-fifths *on or after January 20*, and the remainder *one week before Commencement*, but the income will be first applied to the settlement of any College term-bills issued and unpaid, and any balance then remaining will be paid in money. Holders who desire an advance on the income of a scholarship, to help pay the tuition fee, should apply in person at the Bursar's Office promptly at the beginning of the academic year.

The facts considered in making an assignment of a scholarship having a stipend are the needs of the student, and his promise *as indicated by his work in College*. A student who is not in need of aid cannot honorably apply for a scholarship, a scholarship cannot properly be awarded to one who, from physical, mental, or moral weakness, gives little promise of future usefulness. The special terms under which some scholarships are assigned are stated above, in the list of scholarships.

Scholarships are ordinarily assigned only on the basis of a *previous year of work in College*. The enjoyment of a scholarship for one year will not constitute any title to a second nomination, unless the superiority for which it was originally awarded be fully maintained, and at any time a scholarship or any portion thereof may be taken away from a student who has proved undeserving. No student who has incurred a serious College censure in the course of the year will be considered a candidate for a scholarship, nor any student who obtains leave of absence for the year in which the scholarship would be payable.

Applications of College students for scholarships should be addressed to the *Dean of Harvard College*, and must be deposited at No. 20 University Hall on or before the *last Wednesday in May* of each year. In the case, however, of the Charles Elliott Perkins and the James A. Rumrill Scholarships, applications must be received before the *first day of March*. The candidate must write his application on a blank form, which he may obtain at No. 20 University Hall.

Aid from the Beneficiary and Loan Funds must be applied for in special and separate petitions (see below).

Scholarships are awarded to Sophomores, Juniors, and Seniors at the beginning of each academic year, on the basis of the work of the preceding year.

For the assignment of Price Greenleaf Aid to Freshmen and other undergraduates in their first year, see page 281.

BENEFICIARY FUNDS

In addition to the scholarships, which are enumerated in the preceding pages, the following funds have been established mainly for the benefit of students in Harvard College.

Bequests and donations to the College have from time to time been made, the income of which is used for the aid of deserving students in narrow circumstances. The annual amount thus appropriated is about twenty-eight hundred dollars, which is usually distributed in gratuities of not more than fifty dollars each.

Applications for aid from the Beneficiary Funds, except where otherwise stated in the following list, should be addressed to the Dean of Harvard College, by the student's parent or guardian, or by the student himself, if of age. The application should state particularly the circumstances of the case, with the reasons for asking aid. No application for any academic year will be received before the *first day of August* in the summer preceding the beginning of that year.

The existing beneficiary funds are as follows. —

REBECCA C. AMES Fund Mrs FREDERICK L AMES bequeathed the sum of fifty thousand dollars, the income thereof to be expended for the maintenance and support of any poor and meritorious students.

NATHANIEL APPLETON Fund NATHANIEL APPLETON, of the Class of 1712, Fellow from 1717 to 1779, gave to the College fifty-six pounds, lawful money, the annual interest thereof to be "given to some poor, but well deserving scholar" Preference to be given to his descendants

FRANK BOLLES Memorial Fund Subscriptions, amounting to fourteen hundred and thirteen dollars and thirteen cents, for a memorial to FRANK BOLLES, LL B of the Class of 1882, A M (Hon) 1893, Secretary of the University from 1886 to 1894, were transferred to the College in 1894 by the Committee for collecting subscriptions

Nine tenths of the annual income shall be used to help needy students, the remaining one tenth is to be added yearly to the principal

WILLIAM BRATTLE Fund In 1717, WILLIAM BRATTLE, of the Class of 1680, Tutor from 1685 (?) to 1697, Fellow from 1685 (?) to 1700, Treasurer from 1713 to 1715, bequeathed to the College two hundred and fifty pounds, with the proviso that "fifteen pounds annually be dispos'd of to one or more of y^e Students at y^e discretion & pleasure of said President & Fellows, unless said Student or Students be Nominated & Appointed by some of my Kindred Related to me by blood"

THE SAMUEL C COBB Tuition Fund. Established under the will of SAMUEL C COBB in 1916, available for Freshmen and Sophomores, the stipend to be one hundred and fifty dollars or two hundred dollars, according to the amount of tuition fee paid by the recipient The amount of the income available for next year will be one thousand three hundred and fifty dollars.

THE EDWIN ERWIN COOLIDGE Fund Given in memory of EDWIN ERWIN COOLIDGE, of Natick, Mass., of the Class of 1901; the income of this fund to be used upon such terms and conditions as the President and Fellows may deem proper, to be loaned, not given, to any student or students in Harvard College, it being the wish of the donors that in making such loans the physical as well as mental qualities of the applicant should be considered, preference to be given to descendants of John Coolidge, who settled in Watertown about 1630, and to residents of the town of Natick, Massachusetts, whether they stand high in their studies or not.

THOMAS DANFORTH Fund. THOMAS DANFORTH, Treasurer from 1650 to 1668, Steward from 1668 to 1682, on the same sheet of paper whereon he wrote his will, gave to the College "three tenements at Framingham, now in lease" &c upon the following conditions:—

"1st That the annual Rents thereof shall be for the use of such Students as shall from time to time, Use and Improve one of y^e studies in y^e new Lodgings Erected by M^r STROUGHTON

"2^{dly} That the Nomination of said Person shall be by my heirs resident in the Province.

"3^{dly} That such Students shall be exempted from paying Study Rent and Detriment.

"4^{thly} If such lodgings shall not be from time to time set & kept in good repair, or if any Prelatical Injunctions shall be imposed on said Society, that in such Case this my Gift shall revert to my heirs" . . . "The annual income of these Lands is about six pounds thirteen shillings & 4^d p^r ann^m."

These leases were conveyed to the College in 1724, and were sold, in 1764 for one hundred pounds

MOSES DAY Fund In 1880, MOSES DAY, of Boston, bequeathed to the College five thousand dollars, the income thereof to be appropriated annually "to assist needy and deserving young men to obtain an education at said Harvard College"

JOHN ELLERY Fund In 1738, JOHN ELLERY, of Hartford, bequeathed to the College one hundred and fifty pounds, old tenor, "towards the maintenance of any of the students that may stand in need of such help."

CALVIN and LUCY ELLIS Aid In 1899 to 1905, the College received the sum of fifty thousand dollars, a bequest made by CALVIN ELLIS, of the Class of 1846, Adjunct Professor from 1865 to 1867, Professor from 1867 to 1883, Dean from 1869 to 1883, who died in 1883, and the residuary bequest made by his sister, Miss LUCY ELLIS, amounting to one hundred and eleven thousand, two hundred dollars and eighty-four cents After deducting five per cent of the annual income for the increase of the fund, the remaining income is to be used to aid such descendants of David Ellis and Beulah Newell, formerly of Dedham, and John Ellis and Hannah Ellis, formerly of Walpole, as may be students in Harvard College

EXHIBITIONS The sum of thirteen hundred and thirty-three dollars and thirty-four cents, part of an annuity received under an Act of the General Court, passed June 29, 1792, was set apart as a permanent fund, the income thereof to be applied "towards the reduction of the tuition-money of

indigent students" All the other funds, formerly included in "Exhibitions," now appear under the names of their respective founders.

THOMAS FITCH Fund In 1737, THOMAS FITCH, of Boston, bequeathed to the College three hundred pounds "for the Education of Scollars of good Capacitys for the work of the Ministry"

EPHRAIM FLYNT Fund. In 1723, EPHRAIM FLYNT, of Concord, bequeathed to the College one hundred pounds, the income thereof to be applied "to y^e benefit of scholars" Preference to be given to the "Posterity of my Cousin FLYNT, now of Concord, or of y^e Rev^d Mr. Hancock of Lexington"

HENRY FLYNT Fund In 1760, HENRY FLYNT, of the Class of 1693, Tutor from 1699 to 1754, Secretary of the Board of Overseers from 1712 to 1758, Fellow from 1700 to 1760, acting in part as President from 1736 to 1737, bequeathed to the College one hundred and twelve pounds and ten shillings, old tenor, or fifty Spanish dollars, the income to be paid to one or more needy students Preference to be given to his descendants.

HENRY GIBBS Fund In 1722, HENRY GIBBS, of the Class of 1685, Fellow from 1700 to 1707, bequeathed to the College one hundred pounds, "the Yearly interest to be exhibited to such members of the College as need it, firstly to my Childrens posterity if they Desire it"

JOHN GLOVER Fund In 1653, JOHN GLOVER, of Boston, bequeathed to the College "for & towards ye maintenance of a fellow there, five pounds a yeare forever." This annuity was, in 1871, compounded for the principal sum of three hundred and fifty dollars.

EDWIN A. W. HARLOW Fund The sum of ten thousand eight hundred and ninety-three dollars and five cents was received, as the residuary bequest of EDWIN A. W. HARLOW, of the Class of 1841, "for assisting poor young men of excellent moral character in the Academic Department"

ROBERT HENRY HARLOW Fund. In 1908, five thousand three hundred thirty-seven dollars and fifty cents was received from the estate of ROBERT HENRY HARLOW, of the Class of 1841, of Quincy, Mass., "for assisting poor young men of excellent moral character in the Academic Department."

EDWARD HOLYOKE Fund. In 1743, EDWARD HOLYOKE, of the Class of 1705, Librarian from 1709 to 1712, Tutor from 1712 to 1716, Fellow from 1713 to 1716, President from 1737 to 1769, gave to the College one hundred pounds, old tenor, and, in 1769, bequeathed to the College thirteen pounds six shillings and eight pence, lawful money The income to be given to his descendants

ROBERT KEAYNE Fund. In 1659, ROBERT KEAYNE, of Boston, bequeathed to the College one hundred pounds, and, upon his wife's death, one fourth of the real estate set apart to secure her "thirds," which fourth was sold in 1696 for one hundred and fifty pounds. The income to be used to help "poore & hopefull schollers"

BERTRAM KIMBALL Fund In 1903, Mrs DAVID P KIMBALL gave to the President and Fellows twenty-five thousand dollars "for establishing a Fund, to be known as the BERTRAM KIMBALL FUND, to be used for aiding poor students of either sex studying under the direction of the Faculty of Arts and Sciences of Harvard University"

HARRY MILTON LEVY Loan Fund In 1908 a gift of five thousand dollars was received from HARRY MILTON LEVY, of Cincinnati, Ohio, one half for the College and the other half for the Law School, to be lent to promising students of limited means, "in amounts from fifty to one hundred and fifty dollars on these terms 'The borrower to give his note promising to repay the principal on or before three years after graduation, with interest at four per cent, payable annually. The debt to die with the borrower, if he dies before the note matures, and the time of payment to be extended in case of misfortune to the borrower' "

MARY LINDALL Fund. In 1776, Miss MARY LINDALL, of Charlestown, bequeathed to the College one hundred pounds "the Interest thereof to be by them applied & annually exhibited to such Scholar or Scholars at s^d College of good Character whose Circumstances call for such charitable assistance, and that the Preference be always given to such who shall be related to me by Blood, and in want of such to some Scholar or Scholars of the Town of Salem."

SUSAN B LYMAN Fund. In 1899 and 1900, the College received the sum of four thousand eight hundred and nine dollars and seventy-eight cents of the bequest of five thousand dollars, made by Mrs. SUSAN B LYMAN, of Brookline, the income thereof to be distributed as a loan fund for the benefit of poor but meritorious students

ANNE MILLS Fund In 1725, Mrs. ANNE MILLS, of Watertown, bequeathed to the College fifty pounds to be "Improved towards the bringing up of such Schollars there as shall most need it"

MUNROE Fund. In 1880, the sum of ten thousand one hundred and forty dollars was received by the College, as part of the bequest of fifteen thousand dollars, made by WILLIAM MUNROE, of Concord, "the income thereof to be applied to the assistance of meritorious students." Preference to be given to natives of, or children of citizens of, the town of Concord.

Dr. ANDREW P. PEABODY Memorial Fund The unexpended remainder of the fund, contributed by Harvard graduates in honor of the late Rev Dr. ANDREW P. PEABODY, of the Class of 1826, amounting to four thousand two hundred dollars, was transferred to the College in 1896, the income thereof for the present "to be disbursed for the benefit of deserving students of the University in need of pecuniary assistance"

JOSEPH SEWALL Fund In 1765, JOSEPH SEWALL, of the Class of 1707, Fellow from 1728 to 1765, gave to the College twenty pounds, lawful money, the income thereof to be given to needy scholars

ALEXANDER WHELOCK THAYER Fund In 1899, the College received the sum of thirteen thousand seven hundred and fifty-eight dollars and thirty cents, in full settlement of a bequest made by ALEXANDER WHELOCK THAYER, of the Class of 1843, the income thereof to be expended "in assisting worthy and needy young men at the said Harvard University in their efforts to obtain an education, and in awarding the said assistance preference is to be given to young men bearing the name of Thayer" This fund is subject to a life annuity The remaining income is available for students.

QUINCY TUFTS Fund In 1877, QUINCY TUFTS, of Boston, bequeathed to the College ten thousand dollars, "the income of which shall be appropriated to the education of indigent Scholars."

BENJAMIN WADSWORTH Fund. In 1737, BENJAMIN WADSWORTH, of the Class of 1690, Fellow from 1697 to 1707 and from 1712 to 1725, President from 1725 to 1737, bequeathed to the College one hundred and ten pounds, for the support of some poor student Preference to be given to his descendants

SAMUEL WARD Fund In 1680, SAMUEL WARD, of Charlestown, conveyed, by deed, to the College the island lying between Hingham and Hull, called Bumkin, or WARDS Island According to Mr. WARD's will, his mind was that the rent from this island should be "for the easmentt of the charges of the Diatt of the studentts that are in commons"

GORDON WENDELL Fund. In 1913, BARRETT WENDELL, of the Class of 1877, and Miss FRANCES GORDON WENDELL gave to the College, in equal shares, five hundred dollars and securities valued at two thousand dollars, to establish the GORDON WENDELL Fund, "the income shall be used, when needed, to supplement the incomes of scholarships in Harvard College, — preferably such as are awarded without regard to the needs as distinguished from the merits of the beneficiaries, — in cases where from time to time such incomes may prove inadequate; and . . . in years when the income or any part of the income of the Gordon Wendell Fund is not needed, it shall be added to the principal thereof"

STUART WADSWORTH WHEELER Fund. In 1898, Mrs SUSAN WHEELER gave to the College as a memorial to her son, STUART WADSWORTH WHEELER, a former student in the University and a soldier in the Spanish War, five thousand dollars "towards the fund for helping poor students"

LOAN FUND

Besides the Beneficiary Funds above mentioned, there is a Loan Fund, the interest of which, amounting annually to about four thousand dollars, is lent to meritorious students in the Sophomore, Junior, and Senior classes, in sums ranging from fifty to seventy-five dollars. This fund is under the control of a Board of Trustees, in Boston.

Applications for the Loan Fund should be left with the Dean of Harvard College as early as *the first day of December*.

The Trustees of the Fund request applicants for loans to observe the following rules —

"1 To address their applications to the Treasurer of the Loan Fund, John Lowell, Esq., Boston, and leave them at the office of the Dean of the College.

"2 To state the amount they wish to borrow

"3. To set forth their circumstances fully, as they would do on making application to an individual for like aid

"4. To state what aid they have received, or expect to receive, from the College

"5 If an applicant is under twenty-one years of age, his application must be accompanied by the written approval of his parent or guardian"

FRESHMAN FUND

On Commencement, 1909, the President of the University called attention to the need of a fund to be used as loans or other aid to members of the Freshman Class. As a result \$7,321 was given the President and Fellows. This fund is unrestricted except that it must be distributed among students during their first year in Harvard College. It is administered on recommendation of the Assistant Dean after he has ascertained the needs of applicants.

HENRY RUSSELL SHAW FUND

In 1911, the sum of thirty-five thousand dollars was received under the will of Mrs HENRY RUSSELL SHAW, the income thereof to be applied at the discretion of the President "to enable one or more graduates of Harvard College upon the completion of their undergraduate studies, to pass

a few months in European travel," the purpose being to give those who show promise of success in professional or business careers an opportunity to "supplement their formal education by the broadening and cultivating influences which come from acquaintance with other countries"

PRICE GREENLEAF AID

The President and Fellows of Harvard College are enabled by the bequest of EZEKIEL PRICE GREENLEAF, of Quincy, who is also the founder of ten Price Greenleaf Scholarships (see p. 259), to appropriate annually about sixteen thousand dollars "to reduce the general expenses necessarily incurred by undergraduates of the College in pursuing the studies required to obtain the degree of Bachelor of Arts, who are not of themselves, or with the aid of their parents, of sufficient pecuniary ability to pay for the same."

The income of the PRICE GREENLEAF Fund is distributed, in sums of from \$100 to \$250 a year. *first*, to undergraduates in the first year of their residence (whether Freshmen or Unclassified Students doing full work, who are actually pursuing studies toward the degree of Bachelor of Arts, although the precise class to which they shall eventually be admitted be undetermined, or students admitted to advanced standing, with or without examination); *secondly*, to deserving students who have not succeeded in the competition for scholarships.

Price Greenleaf Aid can be given only to undergraduates of Harvard College

The regular assignment to first-year students is made before or at the time of their entrance. To hope for a share in this assignment the applicant must be strongly recommended by the college, academy, or school with which he has been connected; and must see that his application is in the hands of the Chairman of the Committee on Admission by *the first day of March*. A subsequent assignment is made in February to some other first-year students of high standing: applications must be in the hands of the Chairman by *the fifteenth day of December*.

In every case the amount assigned is payable (but only to persons who may be undergraduates at the time of payment) in two instalments, at the time of presentation of each of the two term-bills of the year.

The recipients of Price Greenleaf Aid may be called upon for service as monitors or assistants to an amount not exceeding four hours a week.

For blank forms of application, and information about necessary expenses, address the *Chairman of the Committee on Admission, 20 University Hall, Cambridge, Massachusetts*.

GRADUATE SCHOOL OF ARTS AND SCIENCES

HISTORY AND ORGANIZATION

The GRADUATE SCHOOL OF ARTS AND SCIENCES came into existence as a result of action taken in January, 1872, by the Corporation and Overseers of Harvard College, in the establishment of higher degrees in Arts, Science, and Philosophy, to follow upon the degrees of Bachelor of Arts and Bachelor of Science, and has for its object the development of instruction suited to the needs of persons qualifying themselves for such higher degrees, or otherwise engaged in advanced study. Until 1890, it had little formal organization, and was known as the Graduate Department. In 1890, it was more solidly established under the name of the Graduate School. In 1905, on recommendation of the Faculty of Arts and Sciences, its name was changed to the Graduate School of Arts and Sciences. Many students come to the School for the sake of instruction only, and do not become candidates for a degree.

The Graduate School of Arts and Sciences is under the charge of the Faculty of Arts and Sciences. It is the business of that Faculty to fix the conditions of admission to the School; to provide courses of instruction for its students; to direct their studies, and examine them in the same; to establish and maintain the requirements for all degrees in Arts, Science, and Philosophy, and make recommendations for those degrees to the President and Fellows, to lay down such regulations as they may deem necessary or expedient for the government of the School, and to exercise a general supervision over all its affairs.

The ordinary administration of the School is conducted by an Administrative Board, which reports to the Faculty of Arts and Sciences. The Dean of the School is the Chairman of the Administrative Board, and the chief executive officer of the School. Inquiries in regard to the School may be addressed to the Secretary, GEORGE W. ROBINSON, 24 University Hall, Cambridge, Mass.

ADMISSION

Admission to the Graduate School of Arts and Sciences is granted to graduates of Colleges and Scientific Schools of good standing, who present satisfactory evidence of character and qualifications. In exceptional cases, other persons, of suitable age and equivalent attainments, may also be

admitted, by special vote of the Administrative Board in each case. Application for admission may be made by correspondence or at the office of the School.

Admission to the Graduate School of Arts and Sciences does not imply admission to candidacy for a degree. The conditions of candidacy for the several degrees open to students in the School will be found on a later page.

RESIDENCE AND REGISTRATION

There are two classes of students in the School,—Resident Students and Travelling Fellows and Students. Students in regular attendance at the University are classed as Resident Students, whether lodging in Cambridge or elsewhere.

RESIDENT STUDENTS

Resident Students are those members of the School who are pursuing their studies at this University; they are required to be in regular attendance on the exercises in some course or courses of instruction, or to carry on regular work at this University in some Laboratory or Museum or in the Library, or otherwise, under the frequent inspection and criticism of instructors in the University.

Every Resident Student in the School and every applicant for admission is expected to be present in Cambridge at the beginning of each year of his membership in the School, and to register on or before *Monday, the first day of the academic year*, by filling out certain blanks, at the office of the School. A student who enters on his studies after the beginning of the academic year must register at the office of the School at the time of his entering on his studies.

On registering, a student receives a certificate of registration from the officer in charge, this certificate he must present to the Bursar, to whom he makes the first payment for tuition at the beginning of the year, with whom he must file his bond or give other satisfactory security for later payments, and from whom he will obtain authority to attend instruction and to use the College Library. In case the registration is afterwards not accepted by the Administrative Board, it will be cancelled, and the student will not be liable for tuition fees; or he may be transferred to another department of the University.

A student is counted as a full member of the School only from the date of his registration, and during the period when he is actually engaged in his studies as a student in the School.

No Austin Teaching Fellow, or assistant who gives more than six hours a week to assisting, will ordinarily be given credit for full residence.

Continuous residence at the University during term-time is required of all Resident Students in the School, unless leave of absence has been previously granted by the Dean. If a student has been absent from the University without leave previously obtained, he is expected to present to the Dean a satisfactory explanation of such absence.

A student who withdraws from the School in the course of an academic year is required to give immediate written notice to the Dean of the School. *No deduction from the full year's fees will be made in the case of a student withdrawing in the course of a year unless he gives this notice.*

TRAVELLING FELLOWS AND STUDENTS

Holders of fellowships in the Graduate School of Arts and Sciences, pursuing their studies away from the University with the sanction of the Faculty, are registered as Travelling Fellows.

Students who are conducting special investigations which require their absence from the University may be allowed to register in the School as Travelling Students, under such conditions as may be imposed in each case.

All Travelling Fellows and Students are required to keep the Dean of the School informed of their plans of study, and to make each year a full written report to the Administrative Board. They must register promptly by letter. They should keep the Secretary of the School constantly informed of their addresses.

For other regulations concerning Travelling Fellows, see page 317

STUDIES

All Courses of Instruction and other opportunities of study, provided by the Faculty of Arts and Sciences, are open to Resident Students in the Graduate School of Arts and Sciences who pay the full tuition fee of \$200, on condition of their being qualified for the studies they wish to undertake. A Graduate Student in regular standing, paying the fee of \$200 a year, is also, if qualified, admitted free to the instruction given under the other Faculties of the University, with the exception of exercises carried on in special laboratories. For such admission application must be made on a form to be obtained at the office of the School.

Every Resident Student in the School is required to file a list of his studies for the year (or at least for the first half-year), at the time he registers, with the officer in charge of the registration,—or within a day thereafter, at the office of the School. In the preparation of this list he is advised to consult with the instructors or with the chairman of the Division or Department concerned. If a change in the list is subsequently made, written notice must be filed at the office of the School.

A complete year's work for a Resident Student ordinarily consists of four full courses of advanced grade, pursued throughout an academic year, or of equivalent work in courses and half-courses. If the work is to be counted towards a degree, it must be completed with distinction.

Special study of an advanced character, whether done in connection with any course or courses of instruction, or carried on outside of the courses, may be counted as a part or the whole of the year's work of a Graduate Student. In order that it may be so counted, the student should enter it in his list of studies, with a statement of the weight it is designed to have in his year's work, and this entry should be followed by the signature of an instructor, who thereby expresses his approval of the special study proposed by the student, and undertakes to supervise it during the academic year, and to report upon it at the close of the year.



DEGREES

DEGREE OF MASTER OF ARTS

Candidacy. Candidates for the degree of MASTER OF ARTS are regularly registered in the Graduate School of Arts and Sciences. In special cases they may be registered in the Divinity School. They must make a statement of their candidacy to the Administrative Board of the Graduate School of Arts and Sciences, on a blank to be obtained from the Secretary of the School. Early statement is recommended in order that the candidate may have time for deliberate selection of his courses of study in accordance with the action of the Administrative Board, under whose supervision all the work of the candidate must be carried on.

All candidates must possess an elementary knowledge of two modern foreign languages, ordinarily French and German.

Undergraduates of Harvard College who have completed the requirements for the degree of Bachelor of Arts or of Science, but who have not received the degree, may be admitted to the Graduate School of Arts and Sciences as candidates for the degree of Master of Arts. Those who lack not more than a single course of completing the requirements may be admitted to the School in like manner, if in the judgment of the Dean of Harvard College and of the Administrative Board of the School they are likely to complete this course and to fulfil the requirements for the degree of Master of Arts in one year. The entire work of such men must be carried on under the supervision of the Administrative Board of the School.

Requirements. The ordinary requirement for the degree of Master of Arts, for a graduate of an approved college who is well prepared for advanced study in his special subject, consists of one year of residence

and study devoted to advanced work approved by the Administrative Board, and completed with distinction Graduates of colleges whose requirements for admission and graduation are considerably below those of Harvard College, or of colleges whose standing is not well known to the Administrative Board, and graduates of any college who have not sufficient preparation for advanced work in their particular subject of study, are ordinarily required to devote at least two years to their study for this degree In special cases this period may be shortened to one year or one year and a half for students whose work in the Graduate School of Arts and Sciences shows unusual excellence Forms of application for admission to candidacy may be obtained from the Secretary.

The programme of study for the degree of Master of Arts must form a consistent plan of work pursued with some definite aim, whether it lies wholly in a single department or field of study or in more than one; this work may be done either in, or in connection with, the regular courses of instruction, or independently of them The approval of a programme by the proper Division Committee on Honors and Higher Degrees and by the Administrative Board of the School constitutes formal admission to candidacy for the degree of Master of Arts. Programmes should be submitted early in the academic year, and no programme will ordinarily be approved that is received after January 15 of the academic year in which the degree is to be taken.

Studies pursued in a professional school of the University, either by members of the Graduate School of Arts and Sciences or by professional students, may be approved by the Administrative Board of the Graduate School of Arts and Sciences as constituents of the scheme of study offered for the degree of Master of Arts; but no scheme of study will be accepted which is made up wholly of studies pursued in a professional school. Studies pursued under the supervision of the Division of the Medical Sciences and courses in the Divinity School which are also open to students under the Faculty of Arts and Sciences, being in both cases pursued under the direction of the Graduate School of Arts and Sciences, are, for purposes of this rule, considered as not pursued in a professional school. Studies pursued in a professional school can be offered towards the degree of Master of Arts, but only under the condition that the candidate is precluded from offering any of the same studies, at any time, for a professional degree

The Administrative Board will not count towards the degree of Master of Arts work done by students who in the same year are doing full work towards a higher degree at any other graduate or professional school, in Harvard University or elsewhere

Graduate Students who, by reason of giving part of the academic year to instruction in the University, are prevented from doing full work in

term time, may, on the recommendation of the Division concerned, and with the approval of the Administrative Board, offer in partial fulfilment of the periods of residence and study required for the degree of A.M. research in the field or the laboratory which is carried on in the summer under the direction of members of the Faculty.

Honors. Honors of two grades—*Honors* and *Highest Honors*—are awarded by the Faculty of Arts and Sciences, with the degree of Master of Arts, for great proficiency in any of the following subjects: Semitic Languages and History, Indic Philology, the Classics, English, Germanic Languages and Literatures; Romance Languages and Literatures; Music, Mathematics, Chemistry, Geology.

The qualifications for Honors in the several subjects are set forth on pages 217–221, and in the pamphlets issued by the several Departments that recommend for Honors.

DEGREE OF DOCTOR OF PHILOSOPHY

Candidacy. A student in the Graduate School of Arts and Sciences, or intending to enter it, who wishes to become a candidate for the degree of DOCTOR OF PHILOSOPHY must consult the Chairman of the Division under which his studies belong (see page 7), and should receive from the Chairman or Secretary of the Division a statement, preferably in writing, informing him of the conditions under which he may be accepted. He should at the same time make a statement of his candidacy to the Administrative Board of the School, on a blank to be obtained from the Secretary.*

The subjects in which the degree of Doctor of Philosophy may be taken, as designated by the Faculty, are: Philology, History, Political Science, Economics, Philosophy, Education, History and Principles of the Fine Arts, Music, Mathematics, Physics, Chemistry, Biology, Geology, Anthropology, Medical Sciences.

The Divisions under which this degree may be taken are Semitic Languages and History, Ancient Languages, Modern Languages, History, Government, and Economics, Philosophy, Education, Fine Arts, Music, Mathematics, Physical Sciences, Chemistry, Biology, Geology, Anthropology, the Medical Sciences.

All candidates for the degree must possess a reading knowledge of German and French.

Requirements. For the degree of Doctor of Philosophy, not less than two years,—at least one of which must be spent in residence at this Uni-

* The blank need not be included in the applications of Bachelors of Arts or of Science of Harvard University, as their records are accessible in the Office of the University.

versity,—devoted to advanced studies, approved as affording suitable preparation for the degree by the proper Division Committee on Honors and Higher Degrees, are required of students already qualified for candidacy for the degree. The Faculty will, in estimating the amount of a candidate's study for the degree, give weight to advanced work done in the graduate department of another university.

The periods of residence and study named above must be regarded merely as the *minimum* requirements. *The requirements of time for the degree of Doctor of Philosophy are wholly secondary.* This degree does not rest on any computation of time, nor on any enumeration of courses, although no student can become a candidate for it until he has, in the judgment of the Administrative Board of the Graduate School of Arts and Sciences, fulfilled the requirements of residence and study for the prescribed periods.

If a student has already received the degree of Master of Arts at Harvard University, the residence and study accepted in fulfilment of the requirement for that degree may be counted in partial fulfilment of the requirement for the degree of Doctor of Philosophy, provided such residence and study be approved by the appropriate Division Committee as suitable to be so counted.

Residence and study accepted in fulfilment of the requirements for the degrees of Master of Divinity, Master in Business Administration, and Master of Science in Harvard University may be accepted in partial fulfilment of the requirements for the degree of Doctor of Philosophy, in case the programmes on which these degrees were granted are such as would be acceptable for the degree of Master of Arts.

Graduate Students who, by reason of giving part of the academic year to instruction in the University, are prevented from doing full work in term time, may, on the recommendation of the Division concerned, and with the approval of the Administrative Board, offer in partial fulfilment of the periods of residence and study required for the degree of Ph D. research in the field or the laboratory which is carried on in the summer under the direction of members of the Faculty.

A candidate for the degree of Doctor of Philosophy must carry on his studies with the approval and under the direction of the Committee on Honors and Higher Degrees in that Division to which his special studies belong. He should consult the chairman of the Committee, at suitable intervals, about his plans of study. Information in regard to the specific requirements in the different Divisions may be found in the pamphlets issued by the various Divisions and Departments.

Examination and Thesis. The degree of Doctor of Philosophy is given, not for the mere reason of faithful study for a prescribed time or in fulfilment of a determinate programme, and never for miscellaneous

studies, but on the ground of long study and high attainment in a special branch of learning, manifested not only by examinations, but by a thesis, which must be presented and accepted before the candidate is admitted to final examination, and must show an original treatment of a fitting subject, or give evidence of independent research.

A candidate must offer himself for examination in some one of the subjects designated above. He must name some special field of study within his chosen subject, approved as sufficient by the Division Committee on Honors and Higher Degrees. He is liable to minute examination on the whole of that special field, and is also required to prove such acquaintance with his subject in general as the Division Committee shall require.

The Division Committee will inform the candidate, at the beginning or during the course of his candidacy, as to the date (or dates) on which he will be examined.

Not later than January 15 in his final year of preparation for the degree, the student will file at the office of the School a formal application to be placed on the list of candidates, stating his Division, subject, special field, and title of thesis. This application must bear the written approval of the chairman of the Division concerned. No candidate can present himself for final examination until this application has been approved by the Administrative Board of the School.

The application of a candidate for the degree at Midyears must be filed not later than December 1.

The thesis of a candidate for the degree of Doctor of Philosophy must be received by the chairman of the Division Committee on or before the first day of May of the year in which the candidate expects to receive his degree. But the last day for receiving Doctors' theses in a Division may be changed from May 1 to April 1 by a vote of that Division sent to the Dean of the Graduate School of Arts and Sciences in time for publication in the pamphlet of the School for the preceding year. Under this rule, the thesis of a candidate for a Doctor's degree in the Division of Ancient Languages, of Modern Languages, or of History, Government, and Economics must be handed in on or before the first day of April.

The thesis of a candidate for the degree of Doctor of Philosophy at Midyears must be received by the chairman of the Division Committee on or before the first day of January.

Every thesis must be accompanied by a brief summary, not exceeding 1200 words in length, which shall indicate as clearly as possible the methods, material, and results. Each summary must be approved by the Division Committee as adequate and as in suitable form for publication. These summaries will be printed by the University in an annual volume.

The chairman of the Division Committee has power to reject a thesis not plainly written. On the approval of the thesis by the Division Committee, and as early as the first day of June, the thesis is deposited, with a certificate of approval signed by a special committee, at the office of the University for inspection by any member of the Faculty.

No candidate is admitted to final examination until his thesis has been approved by his Division Committee.

A successful candidate is allowed to print his thesis as one accepted for the degree, with the certificate of approval and the signatures of the approving committee, and either a printed or a written copy of the thesis and the original certificate must be deposited in the Library, and must be open to public inspection.

The subject in which the degree of Doctor of Philosophy is conferred is named in the Diploma and in the Quinquennial Catalogue of the University, the special field of study is named in the Diploma, and the special field of study and the title of the thesis are also named in the Commencement Programme and in the next following Annual Catalogue.

Any person on whom the University confers the degree of Doctor of Philosophy is thereby recognized as qualified to give instruction to candidates for this degree in the subject in which he has taken the degree, and to advance knowledge in that subject by his own investigation.

A Doctor of Philosophy who has been approved for the purpose by the Division or Department with which his work is most closely related, may be authorized by the Faculty of Arts and Sciences to give instruction under the direction of the Faculty for a period not exceeding four months, either gratuitously or for such fee as he may himself fix and collect.

PRIZES

The following prizes are open for competition to students in the Graduate Schools of Arts and Sciences, Applied Science, and Business Administration —

THE BOWDOIN PRIZES FOR GRADUATES FOR DISSERTATIONS WRITTEN IN ENGLISH

Three prizes of *two hundred dollars* each are offered annually to Graduate Students, for essays of high literary merit belonging to a special field of learning. Any holder of an academic degree in Arts, Literature, Philosophy, or Science, not a candidate for A. B. or S. B. in Harvard College, who has been in residence since the beginning of the academic year in Harvard University, or who has completed a year of residence in the University within a period beginning not more than two years before Commencement Day of the year of competition, may compete for these prizes.

For the administration of the Bowdoin Prizes for Graduates, the various fields of learning from which the topics may be drawn are arranged in six groups, as follows. —

- I. Mathematics, Physics, Chemistry, and Engineering
- II Biology, Geology, Anthropology, and Forestry
- III Foreign Languages and Literature, ancient and modern
- IV English, Fine Arts, and Music
- V History, Government, Economics, and Business Administration
- VI. Philosophy and Education

For the year 1917-18 a prize will be offered in each one of the groups numbered IV, V, and VI. In the year 1918-19 a prize will be offered in each one of the groups numbered I, II, and III. Thereafter the prizes will alternate between the two sets of groups thus defined. Not more than one prize is offered in any year for essays belonging to a single group.

Competitors are at liberty to select the topics of their essays, but the topics must be approved in advance by the Committee on Bowdoin Prizes. Before submission to the judges, each essay offered in competition will be referred to the Committee on Honors and Higher Degrees of the Division within whose province its subject lies, for their approval. Essays presented for other prizes, or for academic recognition elsewhere than in Harvard University, or already published, are not admissible.

The literary quality as well as the substance of the essays submitted will be taken into account in making the award. The winners of the graduate prizes for the year are named as such on the Commencement Programme. Each winner of a Bowdoin Prize will receive in addition to the sum of money a bronze medal.

No essay offered by a graduate in competition for a Bowdoin Prize may contain more than fifteen thousand words, it being understood that parts of doctoral dissertations are eligible.

The general rules laid down on page 248 for the guidance of competitors must be accurately followed.

All inquiries concerning these prizes should be addressed to the Chairman of the Standing Committee on Bowdoin Prizes, Professor LAWRENCE J. HENDERSON.

THE BOWDOIN PRIZE FOR GRADUATES FOR DISSERTATIONS IN GREEK AND LATIN

A prize of *one hundred dollars* for an original essay in either Latin or Greek of not less than three thousand words on any subject chosen by the competitor, written by a holder of an academic degree who has been in residence in the Graduate School of Arts and Sciences for one

full year within the period 1916-18. Essays already presented for other prizes or for academic recognition elsewhere than in Harvard University are not admissible. Dissertations offered for the degree of Ph.D. in Harvard University are admissible. The winner of the prize will be named on the Commencement Programme.

The general rules laid down on page 248 for the guidance of competitors must be accurately followed.

All inquiries concerning this prize should be addressed to Professor E. K. RAND, Chairman of the Committee on Bowdoin Prizes of the Department of the Classics.

THE DANTE PRIZE

The Dante Society offers an Annual Prize of *one hundred dollars* for the best essay by a student in any department of the University, or by a graduate of not more than three years' standing, on a subject drawn from the Life or Works of Dante. The competition is open to students and graduates of similar standing of any college or university in the United States.

For the year 1917-18 the following subjects are proposed —

1. *A study of the vocabulary of Dante's lyrics.*
2. *The classification of Dante's miscellaneous lyrics.*
3. *The influence of Boethius on the Vita Nuova and the Convivio.*
4. *A discussion of the authorship of "Il Fiore."*
5. *A study of Dante's influence upon English literature (or upon any single author or period).*
6. *The relation of Dante's theological doctrines to the present teachings of the Church of Rome.*
7. *The relation of modern scientific discovery to Dante's conception of the divine order of the universe.*
8. *The main reasons for the increase of interest in the Divina Commedia during the past fifty years.*
9. *Dante and Cecco d'Ascoli.*
10. *A study of the decline of Dante's influence in Italy in the fifteenth and sixteenth centuries.*
11. *Modern traits in Dante.*
12. *The influence of Guido Cavalcanti on Dante.*
13. *A criticism of Torraca's edition of the Divina Commedia.*
14. *Dante's attitude towards the various Italian cities.*
15. *A study of Dante's versification.*
16. *English translations of the Divine Comedy.*

Essayists are at liberty to write on any one of the subjects which have been proposed in the years during which this prize has been offered, or to propose new subjects for the approval of the Council of the Dante Society. Inquiries may be addressed to the Secretary of the Society, Mr. G. B. WESTON.

The general rules laid down on page 248 for the guidance of competitors must be accurately followed.

The judges of the essays are a committee of the Dante Society. If the judges decide that no essay submitted to them deserves the full prize,

they are at liberty to withhold the prize, or to award one or two prizes of fifty dollars, at their discretion.

THE TOPPAN PRIZE

This prize, the gift of ROBERT NOXON TOPPAN, of Cambridge, of the Class of 1858, is awarded in two parts —

- (1) An annual prize of *one hundred dollars* is offered for the best doctoral thesis of the year upon a subject in Political Science
In making the award, emphasis will be laid upon literary excellence
- (2) A prize of *two hundred dollars* is offered in alternate years for the best essay of *not more than fifteen thousand words* on a subject in Political Science.

The literary quality as well as the substance of the essays submitted will be taken into account in making the award. This prize will be offered in 1918-19, and thereafter every second year. It is to be noted that the conditions governing this part of the Toppan competition are identical with those for the Bowdoin Prizes for graduates. The Toppan biennial prize is offered in those years in which no Bowdoin Prize for graduates is available in the subjects within the Division of History, Government, and Economics.

The following subjects, upon which Toppan prizes have been taken, will serve to indicate the range of topics —

1. *Protection to young industries in the United States* 2. *Town and county government in the United States.* 3. *The foundation and the prospects of the Dominion of Canada* 4. *The original and derived features of the Constitution of the United States.* 5. *Parliamentary government in France since 1869.* 6. *The Liberty and Free Soil parties in the Northwest.* 7. *The Anglican Episcopate and the American colonies.* 8. *The Feudal System in Canada.* 9. *The Foreign Commerce of the United States during the Confederation* 10. *Pennsylvania Politics.* 11. *The High Commission* 12. *The Government and Parties of Japan.* 13. *Railroad Reorganization in the United States.* 14. *Burgage Tenure in Mediaeval England* 15. *The Government of the Turkish Empire under Suleiman the Magnificent* 16. *Austrian Policy and the Second Partition of Poland* 17. *The Granger Movement.* 18. *Chicago Traction* 19. *State Control over the Assessment of Property.* 20. *Railroad Valuation* 21. *Trade and Navigation between Spain and the Indies under the Hapsburgs* 22. *Pending Legislation in Massachusetts and Control of Housing Conditions*

OTHER PRIZES

Students in the Graduate School of Arts and Sciences may also compete for the Sumner Prize, the Francis Boott Prize, and, under certain conditions, for the George B. Sohier Prize, the Ricardo Prize Scholarship in Economics, and the David A. Wells Prize in Economics. For the terms of competition, see pages 241-245

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS

The University received in 1909 the sum of three hundred and forty-six thousand four hundred and fifty-eight dollars and seventy cents from the residuary bequest of Mrs. AMEY RICHMOND SHELDON, and in later years sums amounting to fifteen thousand three hundred and ninety-three dollars and eighty-three cents from the same bequest, to establish in memory of Mrs. Sheldon's husband, a member of the Class of 1842, the FREDERICK SHELDON FUND, "the income thereof to be applied in the discretion of and under rules to be prescribed by the President and Fellows . . . to the further education of students of promise and standing in the University by providing them with facilities for further education by travel after graduation or by establishing travelling scholarships." The income of this fund is at present about fifteen thousand dollars.

The income is not to be assigned in scholarships of fixed amounts, but "on recommendation to the Committee from the various Departments and Schools, to be assigned as the Committee shall deem most expedient for purposes of investigation or study either in this country — outside Harvard University — or abroad." No man may hold a Sheldon Fellowship who is not at the time of his appointment a member of the University.

The Fund is administered by the Committee on the Sheldon and other General Fellowships, which has charge also of other fellowships and scholarships which are not restricted to a particular School. The Committee consists of the Deans of the Faculty of Arts and Sciences, the Graduate School of Arts and Sciences, the Graduate School of Business Administration, the Divinity School, the Law School, the Medical School, and the Bussey Institution.

Application in behalf of a student in any School, Division, or Department of the University must be made through the Dean or Chairman of that School, Division, or Department, to the Chairman of the Committee, Dean L. B. R. BRIGGS, and may be made at any time.

FELLOWSHIPS AND SCHOLARSHIPS

The appointments carrying pecuniary aid which are available for students in the Graduate School of Arts and Sciences for the purpose of enabling them to pursue their studies are divided into Fellowships and Scholarships, the former being the more important and valuable of these appointments.

A list of the fellowships and scholarships assigned to students in the Graduate School of Arts and Sciences is given below. It embraces one hundred and thirty-two appointments of which forty-two are fellowships, with yearly incomes ranging from five hundred to two thousand dollars; and ninety are scholarships, with yearly incomes ranging from two hundred to five hundred dollars. The total yearly income of the one hundred and thirty-two appointments is \$53,575. The John Harvard Fellowships, which are additional to the endowed fellowships, and of which the number is undetermined, are without stipend. Following the tabulated list is a brief account of the several foundations. A more detailed description is given in the University Catalogue for 1908-09, pp. 596-616.

The Sachs, Edward William Hooper, Charles Eliot Norton, Rogers, Parker, and John Thornton Kirkland Fellowships, and also the Frederick Sheldon Fellowships (described above), are regularly assigned as traveling appointments. A number of the other fellowships may be so assigned, but when they are so assigned, the stipend is in each case fifty dollars less than the amount indicated in this table.

FELLOWSHIPS

Name (with date of foundation).	No.	Stipend.	Total
Sachs (1916)	1	\$2,000	\$2,000
Edward William Hooper (1905)	1	1,200	1,200
Bayard Cutting (1910)	1	1,150	1,150
Victor Emanuel Chapman Memorial (1917) . .	1	1,125	1,125
Woodbury Lowery (1910)	1	900	900
Charles Eliot Norton (1901)	1	800	800
Rogers (1869)	2	800	1,600
Parker (1873)	4	750	3,000
Philip H. Sears (1914)	1	750	750
Robert Treat Paine (1887)	1	650	650
South End House (1900)	1	650	650
South End House in Social Education (1907) .	1	650	650
In Central American Archaeology (1907) .	1	650	650
MacDowell (1910)	1	650	650
Amounts carried forward	18		\$15,775

Name (with date of foundation)	No.	Stipend	Total
Amounts brought forward	18		\$15,775
International Fellowship in American Archaeology and Ethnology (1911)	1	\$650	650
William Watson Goodwin (1915)	1	650	650
John Tyndall (1885)	1	625	625
Hemenway (1891)	1	625	625
Henry Lee Memorial (1889)	1	600	600
Henry Bromfield Rogers Memorial (1889) . . .	1	600	600
James Walker (1881)	1	575	575
Ozias Goodwin Memorial (1889)	1	575	575
Harris (1868)	1	550	550
Edward Austin (1900)	4	550	2,200
Christopher M. Weld (1899)	1	550	550
Willard (1907)	1	525	525
Elkan Naumburg (1911)	1	525	525
Thayer (1857)	5	500	2,500
John Thornton Kirkland (1873)	1	500	500
Francis Parkman (1906)	1	500	500
Princeton (1910)	1	500	500
	<u>42</u>		<u>\$29,025</u>

SCHOLARSHIPS

Name (with date of foundation)	No	Stipend.	Total
Harvard Club of San Francisco (1886)	1	\$500	\$500
Leverett Saltonstall (1895)	1	450	450
Charles Haven Goodwin (1889)	1	400	400
George H. Emerson (1903)	3	400	1,200
Shattuck (1854)	7	350	2,450
Thayer (1857)	5	350	1,750
James Savage (1873)	1	350	350
Whiting (1895)	4	350	1,400
Virginia Barret Gibbs (1892)	1	325	325
Robert C. Winthrop (1895)	1	325	325
Harvard Club of Chicago (1893)	1	300	300
Townsend (1861)	5	300	1,500
George and Martha Derby (1881)	1	300	300
Austin for Teachers (1899)	15	300	4,500
George W. Dillaway (1903)	1	300	300
Harvard Club of Louisiana (1904)	1	250	250
Gorham Thomas (1865)	1	250	250
University (1891)	40	200	8,000
	<u>90</u>		<u>\$24,550</u>

THE SACHS RESEARCH FELLOWSHIP IN FINE ARTS

This fellowship, established in 1916, has an income of \$2,000. By the terms of its foundation, the fellowship is to be awarded to scholars of proved ability, whether students, instructors, or others, for the purpose of enabling them to pursue in any part of the world advanced studies in the history, principles, or methods of the Fine Arts. It is open to any American, man or woman. It is to be awarded (on the basis of evidence submitted by the applicants) by the Corporation, on the recommendation of a committee consisting of the President of Harvard University, the President of Radcliffe College, the Directors of the Fogg Museum, the Chairman of the Division of Fine Arts of Harvard University, and such other members of that Division as these five may select. Under the terms of the fellowship, the committee in charge has authority to make no recommendation in case no suitable candidate appears.

THE EDWARD WILLIAM HOOPER FELLOWSHIP

THE EDWARD WILLIAM HOOPER FELLOWSHIP; with an income of twelve hundred dollars. The fund of twenty-five thousand dollars for this fellowship was received in 1905 in accordance with the offer contained in the following letter addressed to the Treasurer of the College under date of March 2, 1905 —

“DEAR SIR, — We, friends of Edward W. Hooper, wish to mark our memory of his long and distinguished services to Harvard University by founding a Fellowship in his name. Will you therefore enter twenty-five thousand dollars for this purpose, as coming from Friends and Lovers of Edward William Hooper. Our wish is to leave this gift as unrestricted as is possible under the above condition. If Harvard University accepts this offer, a check for the money shall follow.

Very truly yours,

H. L. HIGGINSON,

for Friends and Lovers.”

Mr. Hooper was a graduate of Harvard College of the Class of 1859, and of the Law School of the Class of 1861. He was Steward of the College from 1872 to 1874; Treasurer from 1876 to 1898, and Overseer from 1900 to 1901.

THE BAYARD CUTTING FELLOWSHIP

In 1910 a number of persons gave jointly the sum of twenty-five thousand dollars to endow a fellowship in memory of the late William Bayard Cutting, Jr., of New York, of the Class of 1900. The incumbent is to be appointed by the President and Fellows, on the nomination of the Depart-

ment in which the student in question is working, or with which he is affiliated as a teacher or other officer. The income is eleven hundred and fifty dollars.

This fellowship is to be reserved exclusively for men of the highest intellectual attainments and of the greatest promise as productive scholars. It is never to be given to the best among any number of applicants, unless the best man is one of first-rate and well-rounded excellence.

With this general provision, the fellowship is open, in the first place, to students of history, preference being given to students of modern European history, diplomatic history, international law, or colonial government. If no student of history, of the quality indicated above, is available in any given year, then the fellowship is open to students of European literature, preference being given to students of French or Italian literature. If, in any given year, no student of the quality desired is available in either of the above mentioned subjects, then the fellowship is open to students in economics, preference being given to students of the history of economics. If, in any given year, no properly qualified candidate is available, then one-half of the income of the fund for that year shall be paid into the principal, and the other half be assigned to the College Library for the purchase of books of permanent value, preferably in French and Italian literature.

This fellowship may be assigned to the same man for two or more successive years if such an assignment is in the best interests of scholarship. This fellowship is not limited to resident students, but may be held by non-resident students, who may pursue their studies either in foreign parts, or in any other university in the United States. A travelling or non-resident incumbent of this fellowship must, however, have spent at least one year in Cambridge, either as a resident student, or as an officer of instruction or government. The fellowship may be held, however, by resident students during their first year of residence.

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP

In 1917 a number of persons gave jointly the sum of approximately twenty-five thousand dollars to endow a fellowship in memory of the late Victor Emanuel Chapman, of New York, of the Class of 1913, who was killed in action over Verdun, on June 23, 1916, while a member of the Flying Corps of the French Army. The following citation was published in the *Journal Officiel*, October 7, 1916 —

Chapman (Victor), sergent pilote à l'escadrille N 124; pilote de chasse qui était un modèle d'audace, d'énergie, et d'entrain, et faisait l'admiration de ses camarades d'escadrille. Sérieusement blessé à la tête le 17 Juin, a demandé à ne pas interrompre son service. Quelques jours plus tard

s'étant lancé à l'attaque de plusieurs avions ennemis, a trouvé une mort glorieuse au cours de la lutte.

Translation. Victor Chapman, 124th Aerial Squadron, sergeant-pilot in the fighting section, a model of audacity, energy, and initiative, and the admiration of his companions of the Squadron. Though on the seventeenth of June seriously wounded in the head, he refused to be relieved from duty. A few days thereafter he made a dashing attack upon several hostile aircraft, and in the course of the struggle met a glorious death.

The annual income of the fellowship, at present eleven hundred and twenty-five dollars, is to be assigned to a French youth (or youths) for study in some department of Harvard University. The incumbents from year to year are to be nominated by a committee of French scholars, formed from those who are or have been French exchange professors at Harvard, to whom shall be added *ex officio* the President for the time being of the Autour du Monde Club in Paris.

The subscribers, in presenting the fellowship to the University, expressed the hope that it "will serve not only as an additional link, however small, between France and the United States, but also as a slight expression of the intellectual debt which this country owes to France"; and that it may stimulate similar foundations at Harvard and at other American universities and colleges.

THE WOODBURY LOWERY FELLOWSHIP

In June, 1910, the Duke and Duchess of Arcos gave to the President and Fellows of Harvard College, in memory of the brother of the Duchess, Woodbury Lowery of the Class of 1875, the sum of \$20,000 to be held as a perpetual fund, "the income to be awarded from year to year by the President and Fellows to some person, preferably an instructor or graduate of Harvard University, to enable him to carry on research in historical archives, preferably those relating to American history in the archives of foreign countries and more particularly in Spain. The income for any one year may be all awarded to one person, or in parts to more than one person, as the President and Fellows may deem best. In case there is in any year no person to whom they think it wise to award it, the income for that year may be held in reserve to be used at a later time, or may be added to the principal." The annual income of this fellowship is nine hundred dollars.

THE CHARLES ELIOT NORTON FELLOWSHIP IN GREEK STUDIES

In 1902, JAMES LOEB, of the Class of 1888, gave securities valued at fourteen thousand one hundred dollars for the permanent establishment

of this fellowship, which he had maintained during the year 1901-02, "in grateful recognition of the long and great friendship which Professor Norton has shown him since his boyhood, and in order to record in a fitting manner the eminent services which Professor Norton has rendered the cause of Archaeology, and his beneficent prominence in the Archaeological Institute of America and the American School of Classical Studies at Athens" In 1908, Mr Loeb gave additional securities valued at five thousand dollars The annual income is now eight hundred dollars

Competition for the fellowship is to be open to undergraduates and graduates of Harvard University and of Radcliffe College.

The award will be made (by a committee appointed by the Department of the Classics) on the basis (1) of a thesis on a subject approved by this committee, and (2) of such other evidence of scholarship as may be accessible In special circumstances the committee may, at its discretion, dispense with the requirement of the thesis. In the award, no account is to be taken of the financial means of the competitor, and no award will be made in case the theses offered are not of sufficient merit.

The editors of the Harvard Studies in Classical Philology are to have the right to publish the thesis of the successful candidate

The incumbent of the fellowship must agree to pursue his studies for the year of his incumbency at the American School of Classical Studies at Athens, and to devote himself to the study of some special subject approved by the committee, in the field of Greek History, Literature, Art, Archaeology, Epigraphy, or Topography He shall also agree to write and publish, at the end of the year of his fellowship, a monograph embodying the results of his investigations

In accordance with the terms of the fellowship, the award will be made in the spring of 1918, for the academic year 1918-19 The following subjects for theses are proposed by the Committee —

The Expression of Pathos in Homer.

The Ritual Hymns of the Greeks

Romanticism in Greek Lyric Poetry

The Drawing of Character in Aeschylus

The Role of Confidant in Greek Tragedy.

Aristophanes as an Historian

Aristophanes and Ben Jonson.

Greek Conservatism as illustrated by Comedy.

The Ideals of the Fourth Century as expressed by Isocrates

Demosthenes and Burke

The Influence of Anacreon on Modern Poetry

Oriental Influence in the Art of the Sixth Century

Bacchantes in Greek Art.

Mutual Benefit Associations in Antiquity

Ancient and Modern Conceptions of Prometheus

Candidates may, however, with the consent of the Committee, write on other classical subjects

Applications for admission to candidacy must be made to the Chairman of the Department of the Classics not later than December 1, 1917, and the theses of approved candidates must be presented to the Chairman not later than February 15, 1918.

THE ROGERS FELLOWSHIPS

These fellowships rest on a foundation of twenty thousand dollars, given to the University in 1869 by HENRY BROMFIELD ROGERS of Boston, of the Class of 1822, "for the encouragement and attainment of a higher, broader, and more thorough scholarship than is required or expected of undergraduates, in all sound literature and learning, except science strictly so called "

These fellowships are open only to graduates of Harvard College, and may permit the incumbents to reside abroad for the purpose of study

Two fellowships are now established on this foundation, each having an annual income of eight hundred dollars

THE PARKER FELLOWSHIPS

Four fellowships of the annual value of seven hundred and fifty dollars each are supported by the income of a bequest of fifty thousand dollars, made to the University by JOHN PARKER, Jr , of Boston, and received in 1873: for "the instruction, education, and maintenance of one or more individuals, as they may successively arise, of eminent natural talents or genius for some one or more of the sciences taught in said College, and who shall have given early satisfactory evidence of a rare talent or special adaptation of mind to one or more of said sciences "

The Parker Fellowships are open to graduates of Harvard College or of any other department of the University; and may be held for a term not exceeding three years in any case

The holder of a Parker Fellowship must devote himself to some special course of study approved by the Faculty of Arts and Sciences, he is restricted, during his tenure of the fellowship, from pursuing the usual studies preparatory to a profession (but not necessarily from higher professional studies), and from occupation in teaching or active business; he may be called upon from time to time to give satisfactory evidence of his fidelity and proficiency; and he is liable, under a provision of the will, to lose his appointment, by vote of the President and Fellows, whenever the evidence of his fidelity and proficiency shall be unsatisfactory to the Faculty of Arts and Sciences, or whenever he may become for any reason unfit, in the opinion of the President and Fellows, to hold a fellowship.

THE PHILIP H SEARS SCHOLARSHIP

Established in 1914 under the will of Mrs PHILIP H SEARS in memory of her husband, PHILIP H. SEARS, of the Class of 1844, to be assigned on recommendation of the Department of Philosophy and Psychology The stipend is seven hundred and fifty dollars

THE ROBERT TREAT PAINE FELLOWSHIP OF SOCIAL SCIENCE

This fellowship, established in 1887, has an endowment of ten thousand dollars, the gift of ROBERT TREAT PAINE, of Boston, of the Class of 1855

The annual income is six hundred and fifty dollars, and may be awarded "to one or more graduates of any department of the University, wishing to study either at home or abroad the ethical problems of society, and the efforts of legislation, governmental administration, and private philanthropy to ameliorate the lot of the masses of mankind"

THE SOUTH END HOUSE FELLOWSHIP

This fellowship, maintained since 1900 by annual subscription, with a stipend of six hundred and fifty dollars, is "to be called the South End House Fellowship, and to be devoted to the promotion of the study of social problems," under the following conditions:—

1 The incumbent shall reside at the South End House, 20 Union Park, Boston, and shall also register as a student in the Graduate School of Arts and Sciences of Harvard University He shall engage in study and research on social subjects

2. Appointment to the fellowship shall be made on nomination of the Department of Economics and of the Plummer Professor of Christian Morals, and the work of the incumbent shall be carried on under the supervision of this Department and of the Plummer Professor.

3. Among candidates equally deserving, preference in appointment shall be given to graduates of Harvard College

* THE SOUTH END HOUSE FELLOWSHIP IN SOCIAL EDUCATION

This fellowship has been guaranteed since 1907 by annual votes of the Council of the South End House Association It is administered by the Division of Education in consultation with the Secretary of the Social Education Club and with the Head of the South End House, where the incumbent shall be in residence.

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THE FELLOWSHIP IN CENTRAL AMERICAN ARCHAEOLOGY

An anonymous friend of the Peabody Museum of American Archaeology and Ethnology has given annually since 1907 six hundred and fifty dollars to maintain a fellowship in the Graduate School of Arts and Sciences, the incumbent being required to pursue lines of research in Central American Archaeology and Ethnology approved by the Division of Anthropology.

THE MACDOWELL RESIDENT FELLOWSHIP IN DRAMATIC COMPOSITION

On February 23, 1910, the President and Fellows accepted an offer for the year 1910-11, from the Student Fund Committee of the MacDowell Club of New York City, of a fellowship in dramatic composition with a stipend of six hundred and fifty dollars. The offer has since been renewed annually, except during Professor Baker's absence. The conditions of the fellowship are as follows: it is to be assigned to a student in dramatic composition (the work now called English 47) and not for work in the history of the drama, though the holder of the fellowship may be required to take courses in that subject. The MacDowell Fellowship is intended for some unmarried person who has already done promising dramatic work, but still needs technical training, and whose means will not permit work at Harvard or Radcliffe without this aid. All applicants for English 47 for 1918-19 must file with Professor BAKER, by June 1, a dramatic manuscript. Applicants for the fellowship should at the same time submit a full statement of the reasons for their candidacy. The name of the writer of the best manuscript submitted with such a statement will be sent to the Chairman of the Student Fund Committee of the MacDowell Club, who will investigate the character and the previous work of the candidate. If the Chairman is satisfied with the investigation the candidate will be named as holder of the fellowship. The purpose of the fellowship is to aid persons who have already done dramatic writing of promise, but who need some technical training in order to gain their desired results. The fellowship is open to students in dramatic composition in either Harvard University or Radcliffe College.

THE INTERNATIONAL FELLOWSHIP IN AMERICAN ARCHAEOLOGY AND ETHNOLOGY

An anonymous friend of the Peabody Museum of American Archaeology and Ethnology has given annually since 1911 six hundred and fifty dollars to maintain a fellowship at the International School of American Archaeology and Ethnology at Mexico.

THE WILLIAM WATSON GOODWIN FELLOWSHIP

In 1915, seventeen thousand five hundred and twenty dollars was received from the estate of WILLIAM WATSON GOODWIN, "to establish a fellowship for the benefit of a graduate student of classical literature or archaeology who shall be approved by the Classical Department of Harvard College." The income is six hundred and fifty dollars

THE JOHN TYNDALL SCHOLARSHIP

This foundation, which is classed as a fellowship, and has an annual income of six hundred and twenty-five dollars, was established in 1885 by Professor JOHN TYNDALL, of London, who gave to the President and Fellows of Harvard College the sum of ten thousand eight hundred dollars with directions "to apply the whole net income thereof in supporting or assisting to support one or more American pupils who may have shown decided talents in Physics, and preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigation in that department of learning."

THE HEMENWAY FELLOWSHIP

In June, 1891, Mrs MARY HEMENWAY, of Boston, gave to the Trustees of the Peabody Museum of American Archaeology and Ethnology the sum of ten thousand dollars, for the purpose of establishing the Hemenway Fellowship of American Archaeology and Ethnology, under the following conditions —

"The Fellowship shall be assigned annually by the Trustees to some student of Harvard University who shall pursue the study of American Archaeology and Ethnology. The Trustees are authorized to impose such conditions and make such requirements upon the Hemenway Fellow, thus appointed, as will best secure his devotion to the purposes of this foundation, and they may require him to render such assistance to the Peabody Professor of Archaeology or the Curator of the Peabody Museum as they think fitting."

The fund on which this fellowship rests is now vested in the President and Fellows of Harvard College. The Faculty of the Peabody Museum annually nominate for the fellowship a student in the Graduate School of Arts and Sciences. The present income of the Hemenway Fellowship is six hundred and twenty-five dollars

THE JAMES WALKER FELLOWSHIP

A memorial to JAMES WALKER, President of the University from 1853 to 1860, was established at the University, in 1881, by his pupils and

friends. This memorial consists in part of a fellowship, called by his name, having an endowment of about ten thousand dollars. The income of the Walker Fellowship, which is now five hundred and seventy-five dollars, is to be "assigned from time to time by the President and Fellows to a graduate of the University prosecuting his studies at Cambridge or elsewhere, as they may approve, preference being given to a student of ethics and metaphysics and those related branches of knowledge to which Dr. Walker chiefly devoted his life."

THE MEMORIAL FELLOWSHIPS

In April, 1889, WILLIAM STORY BULLARD, of Boston, gave to the University the sum of thirty thousand dollars for the purpose of founding three fellowships of equal value "in grateful and affectionate remembrance of three friends." These fellowships are as follows:—

THE HENRY LEE MEMORIAL FELLOWSHIP, for the study of Political Economy. This fellowship is instituted in memory of HENRY LEE, of Boston, born February 4, 1782, died February 6, 1867.

THE OZIAS GOODWIN MEMORIAL FELLOWSHIP; for the study of Constitutional or International Law. This fellowship is instituted in memory of OZIAS GOODWIN, of Boston, born March 4, 1794, died September 20, 1862.

THE HENRY BROMFIELD ROGERS MEMORIAL FELLOWSHIP, for the study of Ethics in its relations to Jurisprudence or to Sociology. This fellowship is instituted in memory of HENRY BROMFIELD ROGERS, of Boston, of the Class of 1822.

The Memorial Fellowships may, at the discretion of the Faculty of Arts and Sciences, be held by graduates either of this University or of others, and either by resident students at this University or by persons studying abroad. The yearly income of these fellowships is at present six hundred, five hundred and seventy-five, and six hundred dollars, respectively.

Mr. Bullard directed that "should there, for any year, be no appointment to these fellowships, or to any one of them, the income may be added to the principal, or, at the discretion of the President and Fellows, may be applied in any way that may be, in their opinion, for the best interests of the Students and University."

THE HARRIS FELLOWSHIP

This fellowship, the earliest established in the University, was founded in 1868 by WILLIAM MINOT, JR., of the Class of 1836, as executor of the will of HENRY HARRIS of Boston. Its yearly income is now five hundred and fifty dollars, "to be applied to the use and support of a graduate of

promise " Residence at Cambridge is required, unless excused for substantial reasons, and marriage is a disqualification Studies for the profession of law, theology, or medicine are excluded from the studies of the recipient.

THE EDWARD AUSTIN FELLOWSHIPS

In November, 1900, the President and Fellows voted to establish from the income of the Edward Austin Fund four Edward Austin Fellowships of five hundred and fifty dollars each

In accordance with this vote these fellowships will be assigned to persons undertaking advanced studies in the departments in which the degree of Doctor of Philosophy is given An applicant need not have received, or be a candidate for, any academic degree, but must exhibit proof of such previous training, attainments, and capacity, as promise special fitness for the work which he undertakes. The holder of an Edward Austin Fellowship will be required to carry on his studies subject to the approval and under the supervision of the Standing Committee in the Division or Department in which his studies lie, to reside at the University through the academic year, and to engage in no other occupation, except such public instruction as may have been approved by the Faculty of Arts and Sciences The appointments will be made annually by the President and Fellows on recommendation by the Faculty of Arts and Sciences.

The term of appointment will be one year, but the holder will be eligible for appointment for a second term

THE CHRISTOPHER M WELD SCHOLARSHIP

This foundation, which is classed as a fellowship, and has an income of five hundred and fifty dollars, was established in 1899 from a bequest of ten thousand dollars, made by Mrs. MARY ANN P WELD. It is to be "awarded in the discretion of the proper College authorities to the most worthy student, consideration being had for pecuniary means, character, and sincerity of effort."

THE WILLARD SCHOLARSHIP

This foundation, which is classed as a fellowship, and has an annual stipend of five hundred and twenty-five dollars, was established in 1907 from the bequest of JOHN BARTLETT, of Cambridge, A.M (Hon) 1871. Mr Bartlett bequeathed the sum of ten thousand dollars, to be paid in the name of his wife, Mrs HANNAH STANFORD WILLARD BARTLETT, "to the Corporation of Harvard University, to endow a 'Willard Scholarship' in memory of SAMUEL WILLARD, Vice President of said University, her

ancestor, and of JOSEPH WILLARD, President, her grandfather, and of all his descendants graduates of Harvard " It is to be assigned each year to a person who has attained an established position as a teacher in a college or secondary school, or as a superintendent of schools, and intends to return to educational service after his residence in the University, preference to be given to teachers of literature and to graduates of Harvard College.

THE ELKAN NAUMBURG FELLOWSHIP

This fellowship, which has at present a yearly income of five hundred and twenty-five dollars, was established in December, 1911, from a gift of ten thousand dollars made by ELKAN NAUMBURG, of New York. It is to be assigned for a term not exceeding two years to a graduate of Harvard College who has shown marked ability in musical composition during his college course, and who desires to pursue further his musical studies in this country or abroad. So far as may be possible, the term shall immediately follow the incumbent's graduation. A Committee appointed by the Division of Music shall make the award, fix the length of the term, and determine the place where the studies are to be pursued. If in any year there shall be no candidate worthy in the judgment of the Committee to receive the fellowship, the income shall be added to the principal until the fund becomes sufficient to produce an annual income of five hundred dollars, after which in any such case the income for that year shall be used for the University Library for the purchase of works pertaining preferably to music.

THE THAYER FELLOWSHIPS

Five, each with an annual stipend of five hundred dollars. See below, under SCHOLARSHIPS.

THE JOHN THORNTON KIRKLAND FELLOWSHIP

In 1873 GEORGE BANCROFT, of the Class of 1817, completed the endowment, about eleven thousand dollars, of a fellowship in memory of JOHN THORNTON KIRKLAND, of the Class of 1789, President of Harvard University from 1810 to 1828.

The incumbent must, as a rule, have resided three years at the University as a member of the College or of any of the Schools. He has "leave to repair to a foreign country for instruction." The yearly income is at present five hundred dollars.

"The incumbents of the Scholarship may perhaps be afterwards drawn into the corps of professors at the University, should they render no such service, and should they be prospered in life, I wish each of them so pros-

pered to be reminded, and, excepting always those permanently connected with the University as instructors and those whose moderate wants press upon their means, I thus in advance charge them, to imitate my example in rendering aid through Harvard College to the cause of arts and letters, of science and learning."

THE FRANCIS PARKMAN FELLOWSHIP

In 1905, ten thousand dollars was received from the estate of Miss ELIZA W S PARKMAN, to establish, in memory of her brother, the "Francis Parkman Fellowship," the income thereof to be applied "to the aid of meritorious students pursuing advanced studies, whether at the University or elsewhere." In 1906, by vote of the Corporation, this fellowship was assigned to the Graduate School of Arts and Sciences. The income is five hundred dollars

THE PRINCETON FELLOWSHIP

This fellowship was founded in 1910 from a gift of ten thousand dollars, made by an alumnus of Princeton University as a token of the relations of friendship and courtesy existing between Princeton and Harvard. It is awarded by preference to a graduate of Princeton University who desires to enter one of the graduate departments of Harvard University. The annual stipend is five hundred dollars

THE PENNOYER FELLOWSHIPS

In 1670, WILLIAM PENNOYER, of England, gave an annuity from his estate in Norfolk for the benefit of two fellows and two scholars. This fund is to accumulate for the present, and the fellowships are therefore not now available.

THE GEORGE WILLIAM SAWIN FUND

In memory of GEORGE WILLIAM SAWIN, of the Class of 1884, subscriptions amounting to three thousand and sixty-three dollars were paid in 1890, and six hundred and twenty-two dollars additional in 1893, for a "George William Sawin instructorship or fellowship in Harvard University, the incumbent to be by preference a student of mathematics." This fund is to accumulate for the present.

THE JOHN HARVARD FELLOWSHIPS

These fellowships were established in 1895 by the President and Fellows of Harvard College, in accordance with a recommendation of the Faculty of Arts and Sciences. They are without stipend; but are

given on the same grounds of high scholarship and promise, and under the same conditions as to study and report, as the fellowships carrying income. They may be given either to resident or non-resident students. No applications are received for them, but candidates are selected on the nomination of the several Divisions and Departments. The fellowships of this class are undetermined in number.

SUPPLEMENTARY FOUNDATIONS

Besides the fellowships which are regularly open to Graduate Students the following foundations for the encouragement of special study are, or may be, available for their benefit —

THE HUMBOLDT SCHOLARSHIP FUND

This fund, now amounting to about eight thousand dollars, was given to the Trustees of the Museum of Comparative Zoology by the BOSTON SOCIETY OF NATURAL HISTORY in November, 1869. It was derived from the proceeds of a celebration, held in Boston in that year, of the centennial anniversary of the birth of ALEXANDER VON HUMBOLDT, augmented by a special subscription and by money received from the sale of an address delivered on the occasion of the celebration by Professor LOUIS AGASSIZ. Its income is applied, under the direction of the Faculty of the Museum of Comparative Zoology, towards the maintenance of one or more persons engaged in the study of Zoology or of other branches of Natural History.

THE THAW FELLOWSHIP FUND

This fund was given to the Trustees of the Peabody Museum of American Archaeology and Ethnology in October, 1890, by Mrs MARY COPLEY THAW, of Pittsburgh, Pennsylvania, in memory of her husband, the late WILLIAM THAW. It is now vested in the President and Fellows of Harvard College. Its income is to be devoted to the promotion of "work and research relating to the Indian race of America, or other ethnological and archaeological investigations", and is to be devoted, for a series of years, "to aid and further the philanthropic and scientific work" of a person named by the founder, — a work carried on "as well for the advancement of the Indians as for the enlightenment of the American people." The present annual income of this fund is about eleven hundred and fifty dollars.

This fund may, at a future time, become available for students in the Graduate School of Arts and Sciences, engaged in studies in American Archaeology and Ethnology.

EXCHANGE OF SCHOLARSHIPS WITH EUROPEAN UNIVERSITIES

By special arrangements with the École Libre des Sciences Politiques, at Paris, and the University of Lyons, exemption from tuition charges may be granted annually at each of these institutions to one student or graduate of Harvard University, of high standing, to be recommended by the President of Harvard University. The same privilege is granted, upon the nomination of each of these institutions, to one of their students or graduates who desires to carry on advanced studies in the Graduate School of Arts and Sciences. Similar arrangements may be made with other European universities.

By vote of the Corporation, 14 February 1910, the University offers for a period of ten years exemption from the regular tuition fee to such advanced students from Scandinavian universities, not exceeding three in any year, as may be recommended for study in Harvard by their respective universities and approved by the Scandinavian Society of America.

Harvard University is a contributor to the support of the American Schools of Classical Studies at Athens and at Rome, and of the American School for Oriental Study and Research at Jerusalem. Its graduates are therefore entitled to free tuition in these schools.

SCHOLARSHIPS

THE SCHOLARSHIP OF THE HARVARD CLUB OF SAN FRANCISCO, with an income of five hundred dollars. Maintained since 1886 by the HARVARD CLUB OF SAN FRANCISCO, to be awarded to a graduate of the University of California, or of the Leland Stanford Junior University, studying in the Graduate School of Arts and Sciences of Harvard University. The appointment is made annually by the Club.

THE LEVERETT SALTONSTALL SCHOLARSHIP; with an income of four hundred and fifty dollars, available either for resident or for non-resident study. Established from bequests made by LEVERETT SALTONSTALL, of the Class of 1844, and HENRY SALTONSTALL, of the Class of 1848, in memory of LEVERETT SALTONSTALL, of the Class of 1802. Their descendants and relatives are to be given the preference in the assignment.

THE CHARLES HAVEN GOODWIN SCHOLARSHIP, with an income of four hundred dollars. Founded in 1889 by Professor WILLIAM WATSON GOODWIN, of the Class of 1851, in memory of his son, a graduate of the Class of 1888. "The scholarship shall be assigned by the Corporation, on the nomination of the Department of Classics, before the beginning of each academic year, to some deserving student distinguished in classical scholarship, who will be benefited by such assistance, but not necessarily to

one who is absolutely dependent upon outside aid for the ability to remain at the University. The beneficiary must be either a graduate of Harvard College who is a student of the Classics in the Graduate School, or a member of the Senior Class in Harvard College."

THE GEORGE H. EMERSON SCHOLARSHIPS; three, with an income of four hundred dollars each. GEORGE H. EMERSON'S residuary bequest, part of which is in the hands of the Trustee under his will, \$20,656 20 having been paid to the College in 1905, became available in 1903, when it was valued at about twenty-five thousand dollars, for the establishment of these scholarships. Mr. EMERSON'S will provides that the income shall "be divided into four equal portions to be devoted to the establishment of four scholarships in the Lawrence Scientific School, one in each of the departments of Zoology, Geology, Mineralogy, and Chemistry, the condition of this bequest being that these scholarships shall be open only to needy and meritorious students who are not paid assistants in, and are regular graduates of, one of the aforesaid departments and who are desirous of continuing their studies in either of such departments, such scholarships to be granted at the discretion of the Faculty of the said Lawrence Scientific School, and any surplus income which may accumulate by reason of the vacancy of any of said scholarships to be added to the principal of this bequest." For the present three of these scholarships are assigned to the Graduate School of Arts and Sciences, and one to the Bussey Institution.

THE SHATTUCK SCHOLARSHIPS, seven, with an income of three hundred and fifty dollars each. Founded in 1854 from a bequest of ten thousand dollars, by Dr. GEORGE CHEYNE SHATTUCK, of Boston, A.M. 1807, "for the benefit of such persons of superior merit" as "may require and deserve assistance in the study of mathematics or any of its branches, or in the study of the languages, any or either of them."

THE THAYER SCHOLARSHIPS. In 1857, JOHN ELIOT THAYER, of Boston, bequeathed to several persons named by him, in trust, the sum of fifty thousand dollars, to pay the income thereof to the ten most meritorious scholars in Harvard University who may actually need the same. Upon this foundation there are maintained at present five fellowships (see above), each with an annual stipend of five hundred dollars, and five scholarships, with an income of three hundred and fifty dollars each.

THE JAMES SAVAGE SCHOLARSHIP; with an income of three hundred and fifty dollars. Founded in 1873 from part of the bequest of forty thousand dollars made by JAMES SAVAGE, of Boston, of the Class of 1803.

THE WHITING FELLOWSHIPS; founded in 1895 from the sum of twenty thousand dollars bequeathed by HAROLD WHITING, of the Class of 1877,

Doctor of Philosophy of 1884, " for the purpose of establishing and maintaining from the net income thereof one or more fellowships in Physics, in connection with the Graduate Department of the University, to be called, in memory of my late father, WILLIAM WHITING, the Whiting Fellowships " The Corporation has established on this foundation four fellowships, ranking for the present as scholarships, having an annual income of three hundred and fifty dollars each, to be given to students of Physics in the Graduate School of Arts and Sciences

THE VIRGINIA BARRET GIBBS SCHOLARSHIP; with an income of three hundred and twenty-five dollars. Founded in 1892 from the gift of THEODORE K. GIBBS, of New York. This scholarship is to be awarded to " one or more students who may have shown decided talent in Zoology and preferably in the direction of marine Zoology." The incumbent must be " either a graduate or a student in some Department of Harvard University, but not necessarily a candidate for a degree His studies and researches may be conducted at the Natural History Laboratories of the Museum of Comparative Zoology at Harvard College, at the Newport Marine Laboratory, or at such European Laboratories or other place on the seashore in this country or elsewhere as may be approved by the Faculty of the Museum of Comparative Zoology and by the Professors of Zoology and Comparative Anatomy of Harvard University " The appointment is made annually by the President and Fellows of Harvard College on nomination by the Faculty of the Museum and the Professors of Zoology and Comparative Anatomy

THE ROBERT C WINTHROP SCHOLARSHIP; with an income of three hundred and twenty-five dollars Established in 1895 from a bequest of five thousand dollars made by ROBERT CHARLES WINTHROP, LL.D., of Boston, of the Class of 1828, Speaker of the U S. House of Representatives, 1847-49, Senator from Massachusetts, 1850-51; " for a scholarship or scholarships " to " be assigned to the Peabody Museum of Archaeology and Ethnology over which I have presided since its organization." The nomination for this scholarship is for the present in the hands of the Faculty of the Peabody Museum.

THE SCHOLARSHIP OF THE HARVARD CLUB OF CHICAGO; with an income of three hundred dollars. Maintained since 1893 by the HARVARD CLUB OF CHICAGO; to be awarded to a graduate of an Illinois university or college who wishes to pursue graduate studies at Harvard University. The appointment is made annually by a committee of the Club.

THE TOWNSEND SCHOLARSHIPS, five, of three hundred dollars each. Founded in 1861 from a bequest of twenty thousand dollars made by Miss MARY P. TOWNSEND, of Boston.

THE GEORGE AND MARTHA DERBY SCHOLARSHIP; with an income of three hundred dollars. Founded in 1881 from a bequest of five thousand dollars made by Miss MARTHA C. DERBY, of Boston, sister to Dr. GEORGE DERBY, of the Class of 1838, who died in 1874.

THE AUSTIN SCHOLARSHIPS FOR TEACHERS, fifteen, with an income of three hundred dollars each. Established in 1899 by a vote of the President and Fellows, assigning for the purpose a portion of the income of the fund received by the University under the will of EDWARD AUSTIN, of Boston. These scholarships are open to persons who have attained established positions as teachers in colleges or secondary schools or as superintendents of schools and intend to return to service in the same or similar positions. Preference will be given in the assignment to applicants who have obtained leave of absence for one year for the purpose of studying at the University. An incumbent who has enjoyed this preference shall be regarded as ineligible for any scholarship in the year subsequent to the year of his incumbency.

THE GEORGE FOSTER PEABODY SCHOLARSHIP; not available at present. Founded in 1902, with a principal of six thousand dollars, by GEORGE FOSTER PEABODY, of New York, in connection with the graduation of his nephew, CHARLES SAMUEL PEABODY, of the Class of 1902. The income is to be used for a "scholarship in the graduate school of Harvard University, the scholar to be nominated by the Chancellor of the University of Georgia from among the recent graduates of that institution."

THE GEORGE W. DILLAWAY FELLOWSHIP, with an income of three hundred dollars. This foundation, which for the present is classed as a scholarship, was established in 1903 under the will of GEORGE W. DILLAWAY, of the Class of 1865, who bequeathed five thousand dollars to the President and Fellows, "the income to be used to support a Fellowship of one year's duration in favor of the graduate from year to year who passes his examination with highest honor in Modern History."

THE SCHOLARSHIP OF THE HARVARD CLUB OF LOUISIANA; with an income of about two hundred and fifty dollars. Maintained for the present by the HARVARD CLUB OF LOUISIANA; to be awarded to a graduate of Tulane University who wishes to pursue advanced non-professional studies at Harvard University. The appointment is made by the President and Faculty of Tulane University.

THE GORHAM THOMAS SCHOLARSHIP; with an income of two hundred and fifty dollars. In 1865, Dr. ALEXANDER THOMAS, of Dorchester, of the Class of 1822, gave three thousand dollars, to found a scholarship in memory of his son, GORHAM THOMAS, of the Class of 1852.

THE UNIVERSITY SCHOLARSHIPS, forty, with an income of two hundred dollars each, maintained by the University under votes of the President and Fellows. Of these twenty-five are to be assigned annually by preference to Seniors of high standing in Harvard and in other colleges for study in the Graduate School of Arts and Sciences during the next academic year, regard being had in the assignment to the geographical distribution of the beneficiaries.

THE JAMES MILLS PEIRCE SCHOLARSHIP. In 1908, a fund of four thousand dollars was given, establishing this scholarship as a memorial to JAMES MILLS PEIRCE, of the Class of 1853, a life-long teacher of mathematics at this University, who had charge of the administration of the Graduate Department and of the Graduate School for twenty-three years, from 1872 to 1890 as Secretary of the Academic Council, from 1890 to 1895 as Dean of the Graduate School. In 1909, a further gift of one hundred dollars was added to this fund. The fund is to be allowed to accumulate until it will support a scholarship of three hundred dollars, to be awarded only to a student in the Graduate School of Arts and Sciences, on the recommendation of the Division of Mathematics.

THE JAMES A. RUMRILL GRADUATE SCHOLARSHIP, two hundred and seventy-five dollars. This scholarship, established in memory of JAMES AUGUSTUS RUMRILL, of Springfield, Mass., a member of the Class of 1859, will be offered each year to a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee, or Kentucky, who desires to pursue his studies in one of the graduate departments of Harvard University. The selection of the incumbent is to be left to the Faculty or to the Committee on Scholarships, or similar body, of the school in question, on the advice of the President and Faculty of the institution from which the student comes.

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP; four hundred dollars, for a graduate of an Iowa college or university, is open to students in the Graduate School of Arts and Sciences in common with students in the other graduate or professional schools of the University.

THE WILLIAM STANISLAUS MURPHY SCHOLARSHIPS; two hundred and fifty dollars each. These scholarships, founded by WILLIAM STANISLAUS MURPHY, of the Class of 1885, are to be used for the collegiate education of men of the name of Murphy, who, in the judgment of the Faculty, prove deserving of this kind of encouragement. These scholarships are available for students in any department of the University.

THE SCHOLARSHIP OF THE HARVARD CLUB OF NEBRASKA, one hundred and fifty dollars, to be awarded to a graduate of a Nebraska high school, college, or university, during his first year of residence at Harvard University, the beneficiary to be nominated by the Club.

In addition to the scholarships named above, the following, which are described in the list of scholarships pertaining to Harvard College and are ordinarily assigned to students in that department, may at times, or under certain conditions, be granted to students in the Graduate School of Arts and Sciences —

THE DANIEL A BUCKLEY SCHOLARSHIPS, fifty, with an income of two hundred dollars each, for graduates of the public schools of the city of Cambridge

THE SCHOLARSHIP OF THE HARVARD CLUB OF BUFFALO, two hundred dollars, for a student residing in Erie County, New York

THE SCHOLARSHIP OF THE HARVARD CLUB OF ST LOUIS, three hundred dollars, for a student from the State of Missouri

THE SCHOLARSHIP OF THE ROCKY MOUNTAIN HARVARD CLUB; for a graduate of a Colorado college or school.

THE LINCOLN SCHOLARSHIP, three hundred and fifty dollars, for a student from the town of Lincoln, Massachusetts

THE LADY MOWLSON SCHOLARSHIP, three hundred and twenty-five dollars. This scholarship is given primarily to an undergraduate of Harvard College, but may be continued to him as a candidate for the degree of Master of Arts in the Graduate School of Arts and Sciences

THE EDWARD RUSSELL SCHOLARSHIP; three hundred dollars, "for the assistance of meritorious students of limited pecuniary resources, whether of the undergraduate or graduate department"

THE CHARLES WYMAN SCHOLARSHIP, five hundred dollars In the assignment of this scholarship preference will be given to advanced students of History in Harvard College, unless in any year no desirable candidate from Harvard College appears, in which case the scholarship may be assigned to a student in the Graduate School of Arts and Sciences.

PAYMENT OF INCOME

To resident holders of fellowships and scholarships having stipends, the income thereof is payable at the Bursar's Office, one-half *on or after January 20*, and the remainder *one week before Commencement*, but the income will be first applied to the settlement of any College term-bills issued and unpaid, and any balance then remaining will be paid in money Holders who desire an advance on the income of a fellowship or scholarship, to help pay the tuition fee, should apply in person at the Bursar's Office promptly at the beginning of the academic year

The income of non-resident fellowships, having stipends, is payable quarterly in advance by drafts sent from the Bursar's Office *September 1, December 1, March 1, and June 1*. The first payment of the year is due September 1 for the quarter ending November 30, but to any holder of a fellowship who is going abroad to study, the income for six months to March 1 in the first year of his appointment will be paid at his request on or before September 1. No remittance will be made to the holder of a fellowship for any quarter until there is received from him at the Bursar's Office the address to which he desires to have it sent, unless he requests in writing that all remittances be sent to a stated address until he gives notice of a change.

AWARD AND TENURE

The Edward Austin Fellowships, the MacDowell Fellowship, the South End House Fellowships, and the Willard Scholarship can be held only by resident Graduate Students. The other fellowships may be, and some of them usually are, given to persons who desire to pursue studies elsewhere as non-resident Graduate Students.

A non-resident appointment to a fellowship is awarded only to a graduate of some department of Harvard University, or to a student who has pursued his studies at the University for some time. But the resident appointments may be, and some of them are, bestowed on persons not previously members of the University, although a preference is given, in most cases, — especially in regard to the more important appointments, — to students who have already given evidence of their qualification by work done here, in the College, the Graduate School of Arts and Sciences, or some other department of Harvard University.

Appointments to fellowships and scholarships in the Graduate School of Arts and Sciences for any academic year are made (in most cases) by the Corporation, on recommendation by the Faculty of Arts and Sciences, towards the close of the preceding academic year. A few are in the hands of trustees, or require nomination or confirmation by specially designated persons. Applications for appointment or reappointment should be sent in *as early as possible*, in order to facilitate the work of examination and comparison. *Applications received after the first day of March are not ordinarily considered in the regular assignment.* Blanks for applications may be obtained from the Secretary of the Graduate School of Arts and Sciences. A new applicant, not already a student at Harvard University, should accompany his application with testimonials from those best qualified to speak with confidence of his qualities, attainments, and promise, and by such other documents as he may think proper to send. All applications should be addressed to *The Committee*

on Fellowships, Office of the Graduate School of Arts and Sciences, No. 24 University Hall, Cambridge, Mass A few appointments are commonly made after the beginning of the academic year, to fill vacancies arising from withdrawals and other causes. For these appointments applications received later than March 1 may be considered.

Every holder of a fellowship or scholarship, whether resident or non-resident, is expected to retain such fellowship or scholarship throughout the year for which he is appointed, unless compelled to withdraw by stringent reasons, and to engage in no other occupation, without leave of the Administrative Board of the Graduate School of Arts and Sciences. In special cases, and on the particular recommendation of the Division or Department concerned, the Administrative Board may permit the holder of a scholarship to accept also an assistantship, provided that the duties of the latter are such as to require only a small amount of time, and that the combined stipends of the two appointments do not exceed three hundred and fifty dollars. A student who resigns a fellowship or scholarship in the course of a year has *no claim to any part of the stipend* of the fellowship or scholarship. The circumstances of his change of plans are, however, taken into consideration.

All appointments are made for one year only. They may be renewed; but none of the higher appointments can be held for more than three years, and they are commonly restricted, in practice, to two years.

Any fellowship, other than a teaching fellowship, or scholarship to which the holder has been recommended for appointment by the Faculty of Arts and Sciences, will be vacated by the subsequent marriage of the holder.

Resident Fellows and Scholars Every resident holder of a fellowship or scholarship is required to devote himself to studies, constituting *a complete year's work*, for which, as a fellow or scholar, he has obtained the approval of the Administrative Board of the Graduate School of Arts and Sciences, and to do all the work belonging to such studies punctually, regularly, and with high credit. He is required to take all examinations in his studies, unless excused from one or more of them by the Chairman of his Division on the ground of preparation for the examinations for the doctorate. He is liable to be deprived of his appointment at any time, if he fail to satisfy these requirements.

Travelling Fellows A non-resident holder of a fellowship is entitled to receive a letter of appointment, bearing the seal of the University, stating the field of study in which he is to occupy himself, and recommending him, as a distinguished student of the University, to the esteem, confidence, and friendly consideration of all persons to whom he may present the letter.

Every non-resident holder of a fellowship in the Graduate School of Arts and Sciences is expected to have always on file at the office of the Dean of that School, from the date at which he accepts his appointment, an address by which he can be promptly reached, whether in term-time or in vacation, to forward to the Dean at the beginning of each academic year a registration paper filled out on an official blank form, of which copies may be obtained at the office of the School, and to keep the Dean well informed at all times of what he is doing and purposing to do in fulfilment of the objects for which he is appointed. His studies must lie within the field named in his letter of appointment, and must be carried on under the general supervision of an assigned Division or Department of the Faculty. He must, as early as possible, obtain the approval of his Division or Department with reference to his plans of study and to the place or places at which he is to work, and he must adhere carefully to the arrangements thus approved, unless he receives leave to change them. He must be in frequent communication with his Division or Department, and keep it always informed of his progress in his work, addressing either its chairman or some member designated by the chairman.

A travelling fellow is required to devote himself to his studies during the whole working period of the year, and to undertake no other occupation, except such as may be expressly approved by the Faculty. He is not at liberty to leave his place of study, or make any other serious change of plans, without permission.

He must present a report of his work at the close of each year to the Committee on Fellowships. If he applies for reappointment, he must send a preliminary report with his application for reappointment, which should be received on or before the first day of March. He is expected to present a report on retiring from his fellowship.

TEACHING APPOINTMENTS

The teaching appointments in the University that may be assigned to suitably qualified students in the Graduate School of Arts and Sciences comprise instructorships, Austin Teaching Fellowships, and assistantships. Instructorships, and full time assistantships paying not less than one thousand dollars, carry exemption from tuition charges in addition to the stipend. Austin Teaching Fellows and assistants (except as above) pay the regular tuition fees.

THE AUSTIN TEACHING FELLOWSHIPS

By vote of the President and Fellows in 1899 eight fellowships of five hundred dollars each were offered from the income of the EDWARD AUSTIN FUND. This number has since been increased to about thirty in each year. These fellowships are awarded by the Corporation on the

recommendation of a Division or Department of the Faculty of Arts and Sciences, and inquiries and applications should be addressed to the chairman of the Division or Department. The incumbents, while employed as instructors or assistants under the Faculty, are allowed to devote not more than half their working time to advanced study or research under the direction of their several Divisions. These fellowships are open only to needy, meritorious students.

INSTRUCTORSHIPS AND ASSISTANTSHIPS

A number of students in the Graduate School of Arts and Sciences are chosen annually to instructorships and assistantships under the Faculty. Appointments to these positions are made by the Corporation, on the recommendation of the several Divisions and Departments.

Proctorships in dormitories, or positions on the Board of Examination Proctors, are sometimes open to advanced students in the Graduate School of Arts and Sciences. Appointments are made by the Corporation, on the nomination respectively of the Regent and of the Chairman of the Board of Examination Proctors.

HARVARD UNIVERSITY EMPLOYMENT OFFICE AND TEACHERS' AGENCY

This office procures suitable positions for undergraduates, graduates, and all past members of the University seeking employment of any sort, whether temporary or permanent, and, conversely, recommends for vacant positions made known to the Secretary the best available Harvard candidates. For a full statement of the work of this office, see page 146.

FEES AND EXPENSES

Information as to fees and expenses, and concerning College rooms and dining halls, will be found on pages 147-160.

DORMITORIES

CONANT HALL

Conant Hall, a dormitory built in 1893-94, has been set aside for the particular use of students in the Graduate School of Arts and Sciences, and important changes have been made in the price of rooms and in the interior arrangements of the building, which have made it the most desirable place in Cambridge in which a Graduate Student can reside.

Conant Hall is a modern building, situated on Oxford Street, near the museums and the laboratories of natural history, engineering, mining, astronomy, and physics, and three or four minutes' walk from the dining halls, the gymnasium, the library, and the recitation halls in the College Yard.

There are twenty-nine suites, each of which includes a large study, a bedroom, and three closets. Twelve of these suites are furnished for one student each, with bedstead, spring, mattress, pillow, washstand, chiffonier, desk, chairs, bookshelves, and rug, the use of which is included in the price. All of the above suites, however, are of sufficient size to accommodate two students readily. There are also twenty-six single rooms, fourteen of these each fifteen feet square, and twelve, fifteen by nine feet. No single room may be occupied by more than one person. All rooms are heated with hot water. The building is well supplied on each floor with shower baths, with hot and cold water.

Suites 1 and 2 in the south end of the building on the first floor have been thrown together to form a large Common Room, which is used also for the meetings of the Graduate Club and of the various departmental clubs of Graduate membership. It is supplied with the current magazines and daily papers, and forms a social centre for Graduate Students.

The prices given below are for suite or single room from the beginning of the academic year until the next Commencement. They include the daily care of the room, and heat. For such as desire it, furniture may be procured from the Loan Furniture Association at a very moderate rental.

Prices

\$60. Nos. 3A*, 10A*, 12A*, 39A*, 46A*, 48A*	\$150 Nos. 4, 5, 7, 8, 9, 11, 43
\$65. Nos. 15A*, 22A*, 24A*, 27A*, 34A*, 36A*	\$160 Nos. 40†, 41†, 44†, 45†, 47†
\$100. Nos. 10*, 12*, 39*, 42*, 46*, 48*	\$175. Nos. 16, 19, 20, 21, 23, 29.
\$120. Nos. 15*, 18*, 22*, 24*, 27*, 30*, 34*, 36*	\$185. Nos. 28†, 31†, 32†, 33†, 35†
	\$200 Nos. 13, 14, 25, 38.
	\$210. Nos. 26†, 37†.

Applications for rooms for 1918-19 will be received until May 1, 1918, at the office of the Graduate School of Arts and Sciences. Blank forms of application may be obtained from the Secretary of the School. Allotments will be made immediately after that date. Applications received after May 1 may be considered in case a second allotment is possible.

GRAYS HALL

A number of rooms in Grays Hall are reserved for students in the Graduate School of Arts and Sciences. Information concerning these rooms may be obtained from the Secretary of the School. Applications will be received until May 1, 1918.

* Single rooms

† Includes use of furniture.

OTHER DORMITORIES

The dormitories described above are at present the only ones specially reserved for students in the Graduate School of Arts and Sciences. Graduate Students may, however, apply for rooms in some of the other dormitories of the University on the same footing as students in other departments. Information regarding these rooms may be found on pages 155-160, or may be obtained after April 1 upon application to the Bursar.

CLUBS

Important work is done by students in Clubs which exist in more or less close connection with the several Departments of study, and meet frequently. Detailed information concerning these organizations is given in the Departmental Pamphlets or may be obtained from instructors.

SPECIAL STUDENTS UNDER THE FACULTY OF ARTS AND SCIENCES

The courses of study provided by the Faculty of Arts and Sciences are open to men who present satisfactory evidence of fitness for admission in respect to maturity and to previous training or experience. Such men are registered as Special Students, and are under the charge of the Dean and Administrative Board for Special Students. These opportunities are intended for serious students, and are not offered to young men of secondary-school age or to those who have taken entrance examinations and failed.

Special Students are admitted by the Committee on Admission of the Faculty of Arts and Sciences to courses under that Faculty, subject to the consent of the Instructor in each case. They are not members of Harvard College, but have the same rights and privileges as students in the professional schools of the University. An official report of the grade received is sent to students who complete the work required in any course and pass the examinations.

A Special Student who neglects any course may be excluded from the course by the Instructor with the consent of the Dean of Special Students.

A bond or other security for University charges is required of every Special Student. Tuition fees are charged in accordance with the regulations stated on pages 147-154.

Application for admission as a Special Student should be made to Mr. J. G. HART, Chairman of the Committee on Admission, 20 University Hall. Applications should be presented not later than September 1 preceding the opening of the academic year.

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

The GRADUATE SCHOOL OF BUSINESS ADMINISTRATION was established in March, 1908, by votes of the President and Fellows and of the Board of Overseers of Harvard College. The School was placed on an independent foundation with a separate Faculty by vote of the Governing Boards on June 19, 1913

The School aims to give thorough and scientific instruction in the fundamental principles of business organization and administration, and to present such a range of elective courses that each student may receive the special preparation which is suitable to the requirements of the business career he purposes to enter. A broad foundation may thus be laid for intelligently directed activity in commerce or manufacturing, or in those specialized branches of modern business which now particularly call for professional training, such as accounting and auditing, railroading, banking and insurance.

Like the other Harvard professional schools, the School is strictly a graduate department of the University, and is therefore open only to students whose education and maturity fit them to undertake serious professional study. The requirement for admission as a regular student and candidate for the degree of Master in Business Administration is the possession of a bachelor's degree from an approved college or scientific school. Opportunities for special study are, however, open to students not candidates for a degree.

THE FACULTY

ABBOTT LAWRENCE LOWELL, A B, LL B, LL D., Ph.D., PRESIDENT.

EDWIN FRANCIS GAY, Ph D., DEAN, and *Professor of Economics*

(On leave of absence, second half-year, 1917-18)

WILLIAM BLISS MEDLICOTT, S.B, *Lecturer on Fire Insurance*

HERBERT BEEMAN DOW, A M, *Lecturer on Life Insurance*

JOHN FARWELL MOORS, A.M, LL.D., *Lecturer on Investment.*

EDGAR JUDSON RICH, A M, LL B, *Lecturer on the Theory and Practice of Rate-Making*

WILLIAM HENRY BLOOD, Jr, *Lecturer on Public Utilities*

WILLIAM MORSE COLE, A M, *Professor of Accounting.*

324 GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

OLIVER MITCHELL WENTWORTH SPRAGUE, Ph D , *Edmund Cogswell Converse Professor of Banking and Finance*

WILLIAM JAMES CUNNINGHAM, *James J. Hill Professor of Transportation*

RICHARD THORNTON FISHER, A.B , M F , *Assistant Professor of Forestry, and Director of the Harvard Forest*

HARRY CLINTON MCCARTY, A.B., *Lecturer on Marketing*

JAMES WILLING, C A , *Lecturer on Accounting.*

LINCOLN FREDERICK SCHAUB, A M , LL B , *Professor of Commercial Law, and ACTING DEAN*

PAUL TERRY CHERINGTON, S.B , A M , *Assistant Professor of Marketing*

FREDERIC GALLUP COBURN, S M , *Lecturer on Factory Management*

(On leave of absence, 1917-18)

CHARLES CHESTER LANE, A.M , *Lecturer on Printing and Publishing*

JOHN MATTHEW GRIES, A M , *Assistant Professor of Lumbering, and Acting Director of the Bureau of Business Research*

MELVIN THOMAS COPELAND, Ph D , *Assistant Professor of Marketing, and Director of the Bureau of Business Research*

(On leave of absence, 1917-18).

JULIUS KLEIN, Ph D , *Instructor in Latin-American History and Economics*

(On leave of absence, 1917-18)

WALTER MORELAND STONE, A B , *Instructor in Printing*

LESTER R FORD, Ph D , *Instructor in Actuarial Mathematics.*

(On leave of absence from January 1, 1918)

HENRY HALLOWELL FARQUHAR, A.B., M B A , *Instructor in Factory Management.*

ADMISSION OF STUDENTS

Graduates of approved colleges or scientific schools are admitted without examination as regular students and candidates for the degree of Master in Business Administration.

Undergraduates of Harvard College who have completed the requirements for the degree of Bachelor of Arts or of Science, but have not received the degree, may be admitted to the Graduate School of Business Administration. Those who lack not more than a single course of the requirements may be admitted to the School if in the judgment of the Dean they are likely to prosecute satisfactorily the work of the first year in the School. Such men constitute the group of unclassified students, and their work must be carried on under the supervision of the School.

Ordinarily students are not allowed to enter the School at the beginning of the second half-year

Persons of suitable age and business experience not graduates of an approved college or scientific school are admitted to any course as special

students upon obtaining the permission of the Faculty. Such students are not candidates for a degree, but they may be given a certificate on completing satisfactorily the work of the course or courses to which they are admitted. As a rule such students will be permitted to take not more than a total of two courses, whether in the same year or in successive years.

REGISTRATION

Every student in the School and every applicant for admission is expected to be present in Cambridge at the beginning of each year of his membership in the School, and to register on Monday, the first day of the academic year, by filling out a registration blank and filing it at the office of the School, or at such other place as may be designated by notice posted in University Hall. A student who enters on his studies after the beginning of the academic year must upon entrance register at the office of the School.

On registering, a student receives a certificate of having done so from the officer in charge of the registration, this certificate he must present to the Bursar, when he files his bond or gives other satisfactory security for the payment of his dues for the year, and he will obtain from the Bursar authorization to attend instruction and to use the College Library. In case the registration is afterwards not accepted, it will be cancelled, and the student will not be liable for tuition fees, or he may be transferred to another department of the University.

A student is counted as a member of the School only from the date of his registration, and during the period when he is actually engaged in his studies as a student in the School.

A student who withdraws from the School in the course of an academic year is required to give immediate written notice at the office of the School. No deduction from the full year's fees will be made in the case of a student who withdraws during the year unless he gives this notice.

At registration, or within two days thereafter, every student of the School is required to submit to the Dean his list of elective studies for approval and then to file this list, countersigned by the Dean, at the office of the School. Any subsequent change in this list of studies must be similarly approved and filed.

REQUIREMENTS FOR THE DEGREE OF MASTER IN BUSINESS ADMINISTRATION

The degree of Master in Business Administration is granted on the satisfactory completion of an approved programme of study, normally requiring two years of residence. A longer period of residence and study may be necessary for students whose preparation has been inadequate.

A complete year's work ordinarily consists of four full courses of advanced grade, pursued throughout the academic year, or of equivalent work, whether done in connection with any course or courses of instruction or carried on outside of the courses, provided that the weight it is designed to have in the year's programme is approved by the Faculty

Each second-year student is required to submit a satisfactory thesis dealing with some concrete problem in the business which he plans to enter and embodying the results and conclusions derived from his original investigation of actual business conditions. A statement giving the subject of his thesis, and an approval thereof in writing by some member of the staff of instructors in the School, must be filed with the Dean before December 1, and the completed thesis must be presented to the Dean on or before April 10

Students who complete the programme of study with distinguished excellence will receive the degree of Master in Business Administration with Distinction.

THE DEGREE OF DOCTOR OF PHILOSOPHY IN BUSINESS ECONOMICS

A new course of study leading to the degree of Doctor of Philosophy in Business Economics is open to men desiring to undertake research in business subjects. It will serve primarily those who intend to become teachers in this field. The degree will be administered by the Graduate School of Arts and Sciences acting through the Division of History, Government, and Economics, and in cooperation with the teaching staff of the Graduate School of Business Administration.

Additional information can be obtained by applying to the Secretary of the Graduate School of Arts and Sciences, 24 University Hall, or, if desired, by applying to the Secretary of the Graduate School of Business Administration, 17 University Hall, Cambridge

RECOMMENDATIONS AS TO PREPARATORY STUDIES

Though a bachelor's degree will ordinarily admit the student to regular standing, it is recommended that he pursue during the latter part of his college career certain studies which will be useful to him in preparing for the more highly specialized work of the Graduate School of Business Administration. Such studies are usually offered in any good college or scientific school. If the student's preparation is found inadequate, he may complete it after entrance; and it is advisable for him to consult with the Dean as soon as possible in regard to the manner in which such deficiencies are to be made good.

Among the courses offered by the Department of Economics in Harvard College those on the industrial and financial phenomena of modern times are of service to students who purpose to enter the School. Such are the courses on Principles of Economics (*A*), Money, Banking, and Commercial Crises (*3*), Economics of Transportation (*4a*), Trade-Unionism and Allied Problems (*6a*), Economics of Corporations (*4b*), Public Finance (*5*), the Economic History of the United States (*2b*), European Industry and Commerce in the Nineteenth Century (*2a*), Statistics (*1b*), and Physiography, elementary course (Geography *1*)

A command of good English and a reading knowledge of at least one modern language, either German or French, are expected. Proficiency in German, French, and Spanish is desirable. Some knowledge of mechanical drawing is highly useful in almost all branches of business.

The training in exact observation and the specific knowledge acquired in mathematics and in such scientific studies as physics and chemistry are of no less importance in many lines of business administration. An administrative officer engaged in the business of manufacturing, transportation, or insurance, can effectively grasp many essential parts of his business only through a knowledge of the mechanical, chemical, or physical phenomena and laws involved. A thorough knowledge of mathematics, including calculus, is of profit to any serious student, and is, indeed, essential in certain professions, such as that of the actuary.

But while it is strongly recommended that preparation for the work of the School and for the later business career should include the subjects here indicated, attention is called to the fact that one of the chief objects of requiring a bachelor's degree for admission to the Graduate School of Business Administration is that the strictly professional work of the School may rest upon a foundation of liberal studies. A due proportion of the preparatory college course should, therefore, be given to studies having a general value for education and culture.

PROGRAMME OF INSTRUCTION

Since the aim of the School is to give to each individual student a practical and specialized professional training suitable to the particular business which he plans to enter, freedom of election is provided for a part of the courses of the first year and for all the courses of the second year. The courses selected by the student should be chosen in accordance with a definite plan. Each student before enrolling in an elective course must submit to the Dean for approval the list of studies he desires to pursue.

All students regularly admitted as candidates for the degree are ordinarily required in the first year of the two years' programme of study to take the following three courses: —

Accounting Principles
Commercial Contracts.
Marketing.

Ability to write English clearly and concisely is of such importance to a business man that provision is made for instruction to correct deficiencies in the English training of students entering the School. All papers and reports written by students in Marketing are read and criticized constructively, not only by the instructor in the course but also by an instructor in English. Satisfactory completion of the course is conditional upon attaining the required proficiency in English. In other courses defectively written reports are also referred to the English instructor.

The classification of courses in groups is not intended to limit the lines of study within which a student preparing for a special field should work. Experience has shown that the student specializing in one field has an adequate preparation for the work in that field only when he has studied other subjects which on a superficial view seem unrelated but which are in reality closely linked to his specialty.

In the first year the courses ordinarily selected by students and recommended by the Faculty consist of the three required courses above mentioned and an introductory course in the group in which the student wishes to specialize during his second year. In many cases first-year students find it desirable, especially when the introductory course is one of the required courses, to take in addition Business Statistics or Factory Management in the first half-year and Investments during the second half-year.

Since the courses offered in the School are all of advanced grade, and since uniformly serious work is expected of students, a student is not usually permitted to take more than five full courses each year. Students whose work is at any time unsatisfactory will be notified, and, if no improvement is evident thereafter, will be requested to leave the School.

In order to secure as much time as possible for the actual work in the School, classes are continued throughout the year with an interruption of only three days at the usual mid-year examination period.

In the courses on Commercial Law the case-system is used. In the other courses an analogous method, emphasizing class-room discussion in connection with lectures and frequent reports on assigned topics, — what may be called the "problem-method," — is employed as far as practicable. Although the material for these problems and reports is often drawn from the records and experience of large corporations, which have developed the

most advanced methods and publish the most comprehensive reports, the training acquired is equally serviceable for men who are to be employed by smaller concerns or who hope to establish themselves independently.

Visits of inspection are made under competent guidance to various commercial and manufacturing establishments in Boston and in the neighboring manufacturing centres of New England. Similar field work of a more specialized character forms a feature of the advanced work of the second year. Advisory Committees of leading business men in a number of industries coöperate with the staff of the School in guiding the work, especially of second-year students.

None of the courses here offered can be counted towards the degree of A B or S B.

DESCRIPTION OF COURSES

ACCOUNTING

Accounting Principles Professor COLE
 Accounting Practice *Half-course (second half-year)* Professor COLE
 Industrial Accounting *Half-course (first half-year)* Professor COLE
 Industrial Accounting (*advanced course*) *Half-course (second half-year)*.
 Mr WILLING
 Accounting Problems. Professor COLE.

LAW

Commercial Contracts Professor SCHAUB
 Law relating to Business Associations. Professor SCHAUB
 Law relating to Banking Operations *Half-course (first half-year)*. Professor SCHAUB.

MARKETING

Marketing Asst Professor CHERINGTON and Mr McCARTY.
 Advertising. *Half-course (first half-year)* Asst. Professor CHERINGTON
 [Marketing of Perishable Foods. *Half-course (second half-year)*. Asst Professor CHERINGTON]
 Omitted in 1917-18
 Retail and Wholesale Store Management *Half-course (second half-year)*
 Asst Professor CHERINGTON, in the absence of Asst. Professor M. T. COPELAND
 Purchasing. *Half-course (second half-year)* Mr McCARTY, in the absence of Asst. Professor M T COPELAND

INDUSTRIAL MANAGEMENT

Factory Management *Half-course (first half-year)* Naval Constructor COBURN and Mr FARQUHAR, with the following lecturers. Messrs L P ALFORD, J B ANDREWS, C DAY, H S DENNISON, H L GANTT, C B GOING, H K HATHAWAY, G LECLEAR, E MORSS, and J F TOBIN

[Factory Practice *Half-course (second half-year)* Naval Constructor COBURN]

Omitted in 1917-18

Factory Management Problems (*second-year course*) Naval Constructor COBURN and the following lecturers: Messrs H L GANTT, H K HATHAWAY, S E. THOMPSON, and R A WENTWORTH

The Taylor System of Management Mr FARQUHAR, and the following lecturers Messrs H K HATHAWAY and S E THOMPSON

GENERAL BUSINESS PROBLEMS

Business Statistics *Half-course (second half-year)* Asst Professor GRIES, in the absence of Asst Professor M. T COPELAND.

Business Policy Professors GAY, COLE, SPRAGUE, and CUNNINGHAM, with the following lecturers Messrs R B CARTER, H. COONLEY, W H. COTTINGHAM, H S DENNISON, P. E FITZPATRICK, C II. JONES, H P KENDALL, J S LAWRENCE, H W MASON, E G PRESTON, W F SEVERN, J R SIMPSON, and T W SLOCUM

FOREIGN TRADE

Foreign Trade Methods *Half-course (first half-year)* Asst Professor CHERINGTON.

[European Trade *Half-course (first half-year)*]

Omitted in 1917-18

[Latin-American Trade Problems *Half-course (second half-year)*. Dr KLEIN.]

Omitted in 1917-18

BANKING AND FINANCE

Banking (*first-year course*) Professor SPRAGUE

Banking (*second-year course*) Professor SPRAGUE

Investments *Half-course (second half-year)* Mr MOORS

The Financial Management of Industrial Corporations *Half-course (first half-year)*. Professor SPRAGUE.

The Financial Management of Railroad Companies *Half-course (second half-year)*. Professor SPRAGUE.

INSURANCE

- Principles of Fire Insurance *Half-course (first half-year)* Mr MEDLICOTT
 Fire Insurance Engineering *Half-course (second half-year).* Mr MEDLICOTT and others.
 Life Insurance *Half-course (second half-year)* Mr Dow
 Life Insurance Agency Methods *Half-course (second half-year).* Mr Dow and others
 Actuarial Practice *Half-course (second half-year)* Mr Dow

TRANSPORTATION

- Railroad Organization *Half-course (first half-year)* Professor CUNNINGHAM
 Railroad Accounting *Half-course (second half-year)* Professor CUNNINGHAM.
 Railroad Operation. Professor CUNNINGHAM
 Railroad Operating Problems Professor CUNNINGHAM
 Railroad Rate-Making Mr RICH and others
 Water Transportation *Half-course (second half-year)* Mr McCARTY

PRINTING AND PUBLISHING

- Printing and Publishing (*first-year course*) Mr C C LANE, assisted by Mr STONE, and the following lecturers Messrs H L BAKER, A E BARTER, W J BERWICK, L P CUDWORTH, A W ELSON, A W FINLAY, F T HULL, A D. LITTLE, J. H. MCFARLAND, E E NELSON, J C OSWALD, CHARLES SCHWEINLER, DONALD SCOTT, W. A. SPURRIER, and D. B. UPDIKE
 Printing and Publishing (*second-year course*) Messrs. C. C LANE, W. A. DWIGGINS, and W. M STONE

COURSES FOR SECRETARIES OF CHAMBERS OF COMMERCE

- Chamber of Commerce Work and Methods *Half-course (second half-year)*
 Asst. Professor CHERINGTON and others
 Chamber of Commerce Problems. Asst. Professor CHERINGTON.

LOCAL PUBLIC UTILITIES

- Public Utilities Operation (*first-year course*). *Half-course (second half-year)*
 Mr. BLOOD, and others
 Public Utilities Operation (*second-year course*) *Half-course (first half-year)*
 Mr. BLOOD

332 GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

[The Financial Management of Local Public Service Corporations. *Half-course (second half-year)* Professor SPRAGUE]
Omitted in 1917-18.

LUMBERING

General Lumbering (*first-year course*). *Half-course (second half-year)*
Asst. Professor GRIES.
Principles of Forestry. *Half-course (first half-year)* Asst Professors FISHER,
JACK, and BAILEY.
General Lumbering (*second-year course*). *Half-course (first half-year)*
Asst Professor GRIES
Lumber Problems (*second-year course*). *Second half-year*. Asst Professor
GRIES.

The instruction given in other departments of the University, with the exception of exercises carried on in the special laboratories, is also open to students of the Graduate School of Business Administration To students paying the full fee there is no extra charge. A certificate of membership in the School, from the Dean, is the only requirement

BUREAU OF BUSINESS RESEARCH

Asst Professor M. T COPELAND, *Director* (On leave of absence, 1917-18)
Asst Professor J M GRIES, *Acting Director*

The Bureau of Business Research was established in 1911 by the Graduate School of Business Administration as an agency for gathering information regarding business methods and costs. The Bureau is making a scientific study of business problems as an aid to instruction in the School. Up to the present time it has confined its work entirely to marketing, a large field in which there has hitherto been little scientific investigation.

The retail shoe business was the first to be studied That business was selected because it is concerned with a fairly homogeneous group of articles and because, at the same time, it illustrates various methods of retailing — the specialty store, department store, chain store, manufacturer's retail branch, and mail order house In June, 1914, the Bureau began a similar study of the retail grocery trade, a business which is more diversified and illustrates other principles and methods of retail distribution. In July, 1916, a study of the wholesale shoe trade was commenced and in November, 1916, a study of the wholesale grocery trade

In each of its investigations the Bureau has followed the same plan. Because of variations in bookkeeping methods and the absence of any similarity in definitions of terms, the Bureau has found it necessary in each case

to prepare a uniform accounting system as a means for securing comparable figures. Four uniform accounting systems have been published. The two retail systems are very similar and the two wholesale systems also closely resemble each other. These accounting systems are being more and more widely adopted in the businesses for which they have been prepared. This, of course, makes it easier for the Bureau to secure reliable figures and at the same time enables the users of the systems to compare their own results more intelligently with the Bureau's summaries.

Upon these accounting systems as bases the Bureau collects figures on operating expenses in these businesses. Information regarding the best trade practice is also being gathered. The Bureau has received, up to March, 1917, confidential information from over 1,000 shoe retailers, from over 1,100 retail grocery stores, from over 100 wholesale grocers, and from a smaller number of shoe wholesalers. In its bulletins it has published, in addition to the accounting systems, summaries of operating expenses in the retail shoe business and in the retail grocery business, and also a standard stockkeeping system for retail shoe stores. The work of the Bureau is proving to be of value not only to the School but also to a steadily increasing number of business men.

LIBRARY FACILITIES

The School has adequate study quarters for students in the new University Library and has placed therein all books and reports that are ordinarily consulted by students. A superintendent is in charge of this room for the purpose of assisting students in their search for material. Special facilities in the Library are granted to advanced students.

The Library of the University contains over 1,000,000 bound volumes and 700,000 pamphlets. It includes more than 24,000 volumes relating to Economics and an extensive collection of government documents, trade and labor periodicals, railroad reports, and banking and financial journals. The exceptionally comprehensive Library of the Harvard Law School, numbering over 170,000 volumes, is also available.

In Boston, the Public Library, second in size in the United States, contains a valuable statistical collection. Students of the School are granted admission to the library of the Insurance Library Association of Boston, the most complete of its kind in the United States.

PRIZES

Mr. GEORGE OLIVER MAY offers two annual prizes of one hundred dollars and fifty dollars, respectively, for the best two graduation theses. Particulars concerning graduation theses are to be found in the statement describing requirements for the degree, on page 325.

Mr HARRY HODGSON offers an annual prize of twenty-five dollars for the best essay by a first-year student on any phase of the business activities in the Southern states. Theses prepared as part of the regular work in any of the courses in the School are eligible for this prize. Competitors must submit their theses to the Dean before April 25.

THE BOWDOIN PRIZES

The Bowdoin Prizes of two hundred dollars each are open for competition to students in the Graduate School of Business Administration. The conditions under which the competition is held are stated on page 290

LOAN FUNDS AND OTHER PECUNIARY AID

The five University Scholarships of one hundred and fifty dollars each, formerly open to students in the School, have been abolished and an equivalent amount will be appropriated for several years for the benefit of the loan fund in the School. This fund was established through the generosity of friends of the School for the benefit of students who are in need of pecuniary assistance. As a rule, only second-year students of promise can hope to receive assistance from this source.

The following are among the Fellowships and Scholarships available in other Departments of the University as well as in the Graduate School of Business Administration —

THE DANIEL A BUCKLEY SCHOLARSHIPS, fifty in number, with an income of one hundred and fifty dollars each, for graduates of Cambridge public schools

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP, with an income at present of eleven hundred and twenty-five dollars. Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-five thousand dollars in memory of VICTOR EMANUEL CHAPMAN, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while a member of the Flying Corps of the French Army. This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University. For further particulars, see page 298.

THE SCHOLARSHIP OF THE HARVARD CLUB OF CHICAGO, with an income of three hundred dollars. Maintained since 1893 by the Harvard Club of Chicago; to be awarded to a graduate of an Illinois university or college who wishes to pursue graduate studies at Harvard University. The appointment is made annually by a committee of the Club.

THE SCHOLARSHIP OF THE HARVARD CLUB OF HAWAII; with an income of two hundred dollars This scholarship was founded in 1908, to be awarded "to a deserving student in any department of Harvard University, nominated by the Harvard Club of Hawaii subject to the approval of the Committee on Scholarships and Other Aids for Undergraduates of Harvard University It is proposed to maintain the scholarship by annual contribution, the award to be made with the understanding that it is a loan, repayable after a term of years "

THE SCHOLARSHIP OF THE HARVARD CLUB OF LOUISIANA, with an income of about two hundred and fifty dollars Maintained for the present by the Harvard Club of Louisiana, to be awarded to a graduate of Tulane University who wishes to pursue advanced non-professional studies at Harvard University The appointment is made by the President and Faculty of Tulane University

THE SCHOLARSHIP OF THE HARVARD CLUB OF NEBRASKA, one hundred and fifty dollars, open to a graduate of a Nebraska high school, college, or university, during his first year of residence at Harvard University; the beneficiary to be nominated by the Club

THE WILLIAM STANISLAUS MURPHY SCHOLARSHIPS, two hundred and fifty dollars each. Founded by WILLIAM STANISLAUS MURPHY, of the Class of 1885, to be used for the collegiate education of men of the name of Murphy who, in the judgment of the Faculty, prove deserving of this kind of encouragement. These scholarships are available for students in any department of the University.

Application should be made to Dean L B R BRIGGS, the Chairman of the Committee on General Scholarships and on the Sheldon Fund.

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP, with an income of four hundred dollars, "to be offered each year to a graduate of an Iowa College or University, in any of the graduate or professional departments of Harvard University." The terms of gift are quoted further on page 268

THE PRINCETON FELLOWSHIP, with a stipend of five hundred dollars From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

THE SCHOLARSHIP OF THE ROCKY MOUNTAIN HARVARD CLUB. Maintained since 1890 by the Rocky Mountain Harvard Club, of Denver, Colorado; to be awarded to a promising graduate of a Colorado college or school pursuing his studies at Harvard University, the appointment to be made annually by a committee of the Club.

THE JAMES A. RUMRILL GRADUATE SCHOLARSHIP, with an income of two hundred and twenty-five dollars. This scholarship, established in memory of JAMES AUGUSTUS RUMRILL, of Springfield, Mass., a member of the Class of 1859, will be offered each year to a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee, or Kentucky, who desires to pursue his studies in one of the graduate departments of Harvard University.

THE EDWARD RUSSELL SCHOLARSHIP, with an income of two hundred and seventy-five dollars. Founded by EDWARD RUSSELL, of Boston, "to be known as the EDWARD RUSSELL SCHOLARSHIP, as a memorial to my grandfather of that name, who was graduated at the College in class of 1759, and to my father of same name who was graduated at the College in class of 1803." This scholarship may be awarded to a student in a graduate department of the University. It may be divided at the discretion of the Scholarship Committee.

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS AND SCHOLARSHIPS. The income of this Fund is available for holders of any degree from Harvard University. For further particulars see page 294.

THE SCHOLARSHIP OF THE HARVARD CLUB OF UTAH, with an income of three hundred dollars. While this scholarship, like other state scholarships, will usually go to undergraduates, it may be competed for by graduate students.

FEEES AND EXPENSES

For information concerning tuition fees, expenses, and rooms in the College dormitories, see pages 147-160.

For further information application should be made to the Dean of the Graduate School of Business Administration, 17 University Hall, Cambridge, Mass.

FACULTY OF ARCHITECTURE

THE FACULTY OF ARCHITECTURE was instituted as a separate Faculty by vote of the Corporation and Overseers in 1914. It has charge of the School of Architecture and of the School of Landscape Architecture. The Faculty of Architecture makes recommendation to the Corporation for the degrees of Master in Architecture and Master in Landscape Architecture. It also has control of the requirements for admission to the two schools in its charge, of courses of instruction, of regulations concerning the choice of studies and of nomination for fellowships and scholarships.

FACULTY OF ARCHITECTURE

ABBOTT LAWRENCE LOWELL, LL B., LL D., Ph D., *President.*

CHARLES WILSON KILLAM, *Chairman of the Faculty of Architecture, and Associate Professor of Architectural Construction*

WALLACE CLEMENT SABINE, A M., S D., *Holts Professor of Mathematics and Natural Philosophy, and Acting Director of the Jefferson Physical Laboratory.*

JAMES STURGIS PRAY, A.B., *Charles Eliot Professor of Landscape Architecture, and Chairman of the School of Landscape Architecture.*

HENRY VINCENT HUBBARD, A M., S B., *Assistant Professor of Landscape Architecture.* (Absent during 1917-18 for Government Service in Washington)

JOHN SANFORD HUMPHREYS, *Associate Professor of Architectural Design.*

HAROLD BROADFIELD WARREN, *Instructor in Freehand Drawing.*

HERMANN DUDLEY MURPHY, *Instructor in Drawing from the Life*

HENRY ATHERTON FROST, A.B., *Instructor in Architecture.*

ADMISSION

Membership in the School of Architecture or in the School of Landscape Architecture as regular students is open to men who are graduates of a college or scientific school in good standing. Other men of suitable age and attainments may also be admitted as special students by special vote in each case, but such admission does not carry with it admission to candidacy for a degree. Special students must have had a high school training, must be over twenty-one years of age and must have had at least three years of

professional training and experience or otherwise satisfy the Council as to their fitness.

The plans of study in each School presuppose certain preparation. This preparation is generally such as can be obtained in any well equipped college or scientific school. A student who lacks the necessary knowledge of any of the preparatory subjects may complete his preparation by taking the appropriate courses after entrance, or in some cases may complete such preparation by work in the Summer School.

Inquiries in regard to the School of Architecture may be addressed to Professor C W KILLAM, Robinson Hall, Cambridge, Mass., or in regard to the School of Landscape Architecture to Professor J S PRAY, Chairman, 50 Garden Street, Cambridge, Mass.

REGISTRATION

Students entering the School of Architecture or the School of Landscape Architecture will register in Robinson Hall on Monday of the opening week of the academic year, the Monday preceding the last Wednesday in September.

A student who withdraws from either School in the course of the academic year should give written notice to the Chairman of the School. No deduction from the full year's fees will be made in the case of a student withdrawing in the course of the year unless such notice is given.

On the day of registration, each student should submit his list of studies for approval to the Chairman of the Council of the School under which he proposes to work, and file the list, countersigned by the Chairman of the School.

Any subsequent change in this list of studies should be similarly approved, countersigned, and filed.

TUITION FEES

For information concerning tuition fees, expenses, and rooms in the College dormitories, see pp. 147-160.

FELLOWSHIPS AND SCHOLARSHIPS

FELLOWSHIPS

THE NELSON ROBINSON JR TRAVELLING FELLOWSHIP IN ARCHITECTURE

This fellowship, with an income of one thousand dollars, was established in 1902 by vote of the President and Fellows, from the income of the NELSON ROBINSON JR. Fund.

THE JULIA AMORY APPLETON TRAVELLING FELLOWSHIP IN
ARCHITECTURE

In 1904, Mr CHARLES F McKIM, of New York, offered to provide annually a stipend of one thousand dollars for a travelling fellowship in Architecture to be called the Julia Amory Appleton Fellowship in Architecture. In 1906 he gave \$20,000, to endow this fellowship.

The holder of either of these fellowships may not be more than thirty years old at the time of his appointment.

These fellowships will ordinarily be offered for competition in alternate years. The holder of either fellowship will on application be reappointed for a second year when he has done creditable work during the first year. They are open for competition to Masters in Architecture of Harvard University.

The recommendations for the appointment will be based on the results of a competitive examination in the history of architecture and in design, to be held in Cambridge in the spring of each year. Applications must be sent to the Chairman of the Faculty before the first of March.

THE CHARLES ELIOT TRAVELLING FELLOWSHIP IN
LANDSCAPE ARCHITECTURE

The sum of \$25,000 has been given to endow this fellowship. The stipend is \$1,100, and it is awarded for one year of travel and study under the direction of the Chairman of the Council of the School of Landscape Architecture.

The fellowship is not granted for more than one year, or renewed save under exceptional circumstances.

The holder of the fellowship must be not over thirty-five years of age on the first day of July of the year of his appointment. This advanced age-limit holds good only for the competitions of the next three years.

The fellowship is open for competition to Masters in Landscape Architecture of Harvard University, and to men who have been already recommended by the School of Landscape Architecture for this degree.

Applications for admission to the competition must be in the hands of the Chairman of the Council of the School before a stated date announced in advance each year. For admission to the competition in 1918, applications must be received before April 15.

The selection among those admitted to candidacy will be made on the results of (1) an examination in the history of Landscape Architecture and, (2) a competition in design, including construction and planting, the examination and the competition in design being held in Cambridge in the spring of each year.

RESIDENT SCHOLARSHIPS

The following scholarships are open to students under the Faculty of Architecture. The income of these scholarships is payable at the Bursar's Office, three-fifths *on or after January 20*, and the remainder *one week before Commencement*, but the income will be first applied to the settlement of any College term-bills issued and unpaid, and any balance then remaining will be paid in money. Holders who want an advance on the income of a fellowship or scholarship, to help pay the tuition-fee, should apply in person at the Bursar's Office promptly at the beginning of the academic year.

An applicant, not already a student at Harvard University, should accompany his application with testimonials from those best qualified to speak of his qualities, attainments, and promise, and by such other documents as he may think proper to send.

Applications for scholarships in Architecture should be addressed to the Chairman of the Faculty of Architecture, Robinson Hall, Cambridge, Mass., and for scholarships in Landscape Architecture to Professor J S PRAY, Chairman, 50 Garden St., Cambridge, Mass., and, to be considered at the first assignment, must be received before March 1. Application blanks may be obtained from these officers.

Every holder of a scholarship is expected to retain it throughout the year for which he is appointed, unless compelled to withdraw for stringent reasons; and to engage in no other occupation, without permission. A student who resigns a scholarship in the course of a year has *no claim to any part of the stipend* of the scholarship. The circumstances of his change of plans are, however, taken into consideration.

Holders of the following scholarships who pay a tuition fee of two hundred dollars will receive an income fifty dollars greater than that given below.

THE AUSTIN SCHOLARSHIPS IN ARCHITECTURE, two, with an income of three hundred dollars each. Established in 1902, by a vote of the President and Fellows, from the income of the EDWARD AUSTIN Fund, and open to graduates of Harvard College who wish to enter the School of Architecture.

THE AUSTIN SCHOLARSHIP IN LANDSCAPE ARCHITECTURE; with an income of three hundred dollars. Established in 1902 by a vote of the President and Fellows, from the income of the EDWARD AUSTIN Fund, and open to graduates of Harvard College who wish to enter the School of Landscape Architecture.

THE FRANCIS HATHAWAY CUMMINGS SCHOLARSHIP; with an income of three hundred dollars. Founded in 1898, with a principal of five thousand dollars, by CHARLES A. CUMMINGS and MARGARET K. CUMMINGS, in memory of their son, FRANCIS HATHAWAY CUMMINGS, of the Class of 1895. This scholarship has been assigned to the School of Landscape Architecture.

THE JOSEPH EVELETH SCHOLARSHIPS, with an income of two hundred dollars each. Founded from the residuary bequest, received in 1896, of thirty-seven thousand eight hundred and ninety-seven dollars and fourteen cents, made by JOSEPH EVELETH, of Boston and Watertown, Sheriff of Suffolk County from 1840 to 1855 except in 1853, "for aiding deserving and indigent young men in obtaining an education in said College or any of the schools connected therewith." Eight scholarships have been established on this foundation of which one is assigned to the School of Architecture

THE SCHOLARSHIPS FOR SPECIAL STUDENTS IN ARCHITECTURE, three, with an income of one hundred and fifty dollars each. Established by vote of the President and Fellows. Appointments are made by the President and Fellows on the recommendation of the Faculty of Architecture. They will be awarded as the results of a competition in architectural design. Candidates must have fulfilled all the requirements demanded of other special students.

THE UNIVERSITY SCHOLARSHIPS (FOR ARCHITECTURE AND LANDSCAPE ARCHITECTURE), six, with an income of one hundred and fifty dollars each; maintained by the University under votes of the President and Fellows

Fellowships and Scholarships available in other Departments of the University as well as in the Schools of Architecture and Landscape Architecture

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS AND SCHOLARSHIPS. The income of this Fund is available for holders of any degree from Harvard University. For further particulars, see page 294.

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP, with an income at present of eleven hundred and twenty-five dollars. Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-five thousand dollars in memory of VICTOR EMANUEL CHAPMAN, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while a member of the Flying Corps of the French Army. This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University. For further particulars, see page 298.

THE BRIGHT SCHOLARSHIPS, two hundred and fifty dollars each. Established in 1880 under the will of JONATHAN BROWN BRIGHT, of Waltham. Preference to be given to descendants of HENRY BRIGHT, Jr., of Watertown, Mass. (died 1686), who bear the name of Bright.

THE SCHOLARSHIP OF THE HARVARD CLUB OF CHICAGO, with an income of three hundred dollars. Maintained since 1893 by the HARVARD CLUB OF CHICAGO, to be awarded to a graduate of an Illinois university or college who wishes to pursue graduate studies at Harvard University. The appoint-

ment is made annually by a committee of the Club, usually in April. Application must be made before January 1 by letter to the Secretary, including an account of the student's educational career, a statement of the course intended to be pursued, and letters endorsing the application.

THE WILLIAM STANISLAUS MURPHY SCHOLARSHIPS, two hundred and fifty dollars each. Founded by WILLIAM STANISLAUS MURPHY, of the Class of 1885, to be used for the collegiate education of men of the name of Murphy who, in the judgment of the Faculty, prove deserving of this kind of encouragement. These scholarships are available for students in any department of the University.

Application should be made to Dean L. B. R. BRIGGS, the Chairman of the Committee on General Scholarships and on the Sheldon Fund.

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP, with an income of four hundred dollars, "to be offered each year to a graduate of an Iowa College or University, in any of the graduate or professional departments of Harvard University." The terms of gift are quoted further on page 268.

THE PRINCETON FELLOWSHIP, with a stipend of four hundred and fifty dollars. From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

THE JAMES A. RUMRILL SCHOLARSHIP, with an income at present of two hundred and twenty-five dollars. Founded in 1909 by Mrs. JAMES A. RUMRILL in memory of her husband, JAMES AUGUSTUS RUMRILL, of Springfield, Mass., of the Class of 1859. The terms of gift are quoted further on page 314.

SCHOOL OF ARCHITECTURE

OFFICERS OF INSTRUCTION

CHARLES WILSON KILLAM, *Chairman of the Faculty of Architecture, and Associate Professor of Architectural Construction*

CHARLES HOWARD WALKER, *Lecturer on the History of Architecture*

WALLACE CLEMENT SABINE, A. M., S. D., *Hollis Professor of Mathematics and Natural Philosophy, and Acting Director of the Jefferson Physical Laboratory.*

JOHN SANFORD HUMPHREYS, *Associate Professor of Architectural Design*

HAROLD BROADFIELD WARREN, *Instructor in Freehand Drawing*

HERMANN DUDLEY MURPHY, *Instructor in Drawing from the Life*

ARTHUR BROWN, Jr., S. B., Arch. Dipl., *Lecturer on Design*

JOHN WILSON, *Instructor in Modelling*

HENRY ATHERTON FROST, A. B., *Instructor in Architecture.*

COURSES OF INSTRUCTION

- 1a History of the Ancient and Early Mediaeval Styles, with especial reference to Classic Architecture — Lectures, conferences, and drawing *Mon, Fri, and (at the pleasure of the instructor) Wed, at 12* Mr. WALKER and Mr FROST
- 1b ¹/₂f History of the Gothic Styles of Architecture — Lectures, conferences, and practice in drawing *Half-course (first half-year) Tu, Th, at 12, and other hours for drawing* Mr WALKER
- 1c ²/₂f History of Renaissance and Modern Architecture — Lectures, conferences, and practice in drawing *Half-course (second half-year). Tu, Th, and (at the pleasure of the instructor) Sat, at 12* Mr WALKER
- 2a Principles of Architectural Design and their Application — Elements of Form in Architecture and the Allied Arts — Lectures, conferences, and practice *Tu, Th, 1 30-2 30, and ten other hours.* Mr FROST
- A course for students in Landscape Architecture
- 2b ¹/₂f Descriptive Geometry.— Lectures and drawing *Half-course (first half-year) Tu, Th., 2-5* Mr. FROST.
- 2c ²/₂f Stereotomy, Shades and Shadows. — Lectures and Drawing *Half-course (second half-year) Tu, Th, 2-4 30* Mr FROST
- 3a ¹/₂f. Perspective. — The theory of perspective and its application to the laying out and the rendering of architectural subjects. — Lectures and practice *Half-course (first half-year). Tu, Th, 9-12.* Mr. FROST.
- 3b. Freehand Drawing (first course). *First half-year Mon, Fri, 9-12, and Th., 7-10 P M. Second half-year: Mon, Wed., Fri, 9-12* Mr H. B WARREN.

This is an introductory course, not necessarily presupposing previous work in freehand drawing It will provide, however, also for those who already have some proficiency

- 3c¹ Drawing from the Life (first course) *First half-year The model will pose on Tu, Th, Fri, 7-10 P M Six hours per week are required* Mr MURPHY.
- 3c². Freehand Drawing (second course) *Second half-year Tu, Th., 9-11, and two other hours* Mr. H B WARREN.

This course is devoted chiefly to water-color drawing.

3d¹ Drawing from the Life (second course). *First half-year.* The model will pose on *Tu, Th, Fri, 7-10 P.M.* Four hours a week are required. Mr MURPHY.

This course is open to students who have passed in Architecture 3c¹ or who have otherwise satisfied the instructor of their fitness.

3d². Freehand Drawing (third course) *Second half-year. Mon, Fri, 9-12.*
Mr H B WARREN.

This course is open to students who have passed in Course 3c² or who have otherwise satisfied the instructor of their fitness.

4a Elementary Architectural Design — Elements of Architectural Form.
— The Orders. — Introductory Problems in Architectural Design
— Practice and criticism *Wed, Fri, 2-5 30, and at least three other hours* *Second half-year Mon, Wed., Fri, 2-5 30, and at least six other hours* Associate Professor HUMPHREYS

This course is offered also in the summer as a partial course

4b Architectural Design (intermediate course). Study of Elementary Composition. Practice and Criticism. *Mon., Tu, Wed, Fri., 2-5 30; Fri., 9-1; Th, 2-5.* Criticisms, three afternoons a week. Associate Professor HUMPHREYS and Mr. BROWN.

This course is offered also in the summer as a partial course

4c Architectural Design (advanced course) Architectural Composition. Criticisms *Students will be expected to give at least thirty hours each week to the work of the course. Criticisms, three times a week, usually in the afternoon* Mr BROWN and Associate Professor HUMPHREYS.

5a Materials and Methods of Building Construction. — Lectures and drawing *Tu., Th, 9-12.* Associate Professor KILLAM

5b. Theory of Building Construction — Statics, Resistance of Materials, and Elementary Structural Design. *Mon., Wed., 9-12, and two other hours* Associate Professor KILLAM.

This course is open only to students having a satisfactory knowledge of algebra and plane geometry.

5c¹hf Theory of Building Construction (second course) Masonry and Structural Design. *Half-course (first half-year). Fri, 9-12, and four other hours.* Associate Professor KILLAM.

5d¹hf. Theory of Building Construction (second course). Reinforced Concrete. *Half-course (first half-year). Fri., 9-12, and four other hours.* Associate Professor KILLAM.

Courses 5c and 5d are open only to students who have passed satisfactorily in Architecture 5b. Any student who entered the School in 1912 or who enters subsequently must pass one of these courses satisfactorily as a requirement for the degree.

6a. Practice in Modelling Architectural Ornament in Clay (first course).
Sat, 9-12 Mr WILSON

6b¹. Modelling in Clay (second course) *First half-year. Sat, 9-12.* Mr.
WILSON

This course is open to those students who have passed in Course 6a or otherwise satisfy the instructor of their fitness.

6c¹. Modelling in Clay (third course). *First half-year. Sat, 9-12.* Mr.
WILSON.

This course is open to those students who have passed in Course 6b or otherwise satisfy the instructor of their fitness.

7¹. Architectural Acoustics *First half-year. Th, at 5* Professor SABINE.

This course will consist of fifteen lectures treating of the acoustics of buildings. It is open to architectural students only and is without examinations. It will alternate with Course 8.

[8. The Mechanical Plant in its Relation to the Architectural Problem.
Heating, Ventilation, Plumbing, and Electrical Installation.
Th, at 5. Mr. LECLEAR]

Omitted in 1917-18; to be given in 1918-19

To be given in alternate years This is a course of lectures dealing with the heating, ventilation, plumbing, and electrical installation in modern buildings. It considers fundamental principles and their application in the details of modern work

[9¹. Contracts and Specifications Professional Practice. *First half-year. Fifteen lectures, usually on Mon. at 5.* Mr. W. S. PARKER and others.]

Omitted in 1917-18, to be given in 1918-19.

This is a course of lectures dealing with the law of contracts, forms of contracts and specifications, professional practice and office organization.

10a^{2hf}. Decorative Design — Practice in design in color decoration and in the handicrafts. *Half-course (second half-year). Sat., 9-12.*
Mr BROWN.

10b^{2hf}. Decorative Design (second course) *Half-course (second half-year). Sat, 9-12.* Mr. BROWN

COURSE OF ADVANCED SPECIAL STUDY

- 20a. Competent Graduate Students and others who satisfy the instructor of their fitness to pursue advanced work will be directed in the study of special periods in the history of architecture. Reports and theses, illustrated by tracings and drawings Mr WALKER.

SUMMER COURSES IN ARCHITECTURE

Courses in elementary, intermediate and advanced Design are given during ten weeks in the summer. Students may shorten the period of residence and study, which would otherwise be required for the degree in Architecture, by taking one or more of these courses. Students may register in only one of these courses in a single summer.

PROGRAMME FOR THE DEGREE OF MASTER IN
ARCHITECTURE

- 1a. History of the Ancient and Early Mediaeval Styles of Architecture.
- 1b ¹/_{hf}. History of Gothic Architecture.
- 1c ²/_{hf}. History of Renaissance and Modern Architecture.
- 2b ¹/_{hf}. Descriptive Geometry
- 2c ²/_{hf}. Stereotomy, Shades and Shadows.
- 3a ¹/_{hf}. Perspective.
- 3b. Freehand Drawing (first course)
- 3c¹. Drawing from the Life (first course)
- 3c². Freehand Drawing (second course).
- 3d¹. Drawing from the Life (second course)
- 3d². Freehand Drawing (third course).
- 4a. Elementary Architectural Design.
- 4b. Architectural Design (intermediate course)
- 4c. Architectural Design (third course)
- 5a. Materials and Methods of Building Construction
- 5b. Theory of Building Construction.
- 5c ¹/_{hf} or 5d ¹/_{hf}. Theory of Building Construction (second course).
- 6a. Modelling.
- 6b¹. Modelling (second course)
- 6c¹. Modelling (third course)
- 7¹. Architectural Acoustics.
- 8. The Mechanical Plant in its relation to the Architectural Problem
- 9¹. Contracts and Specifications Professional Practice.
- 10a². Decorative Design.
- 10b². Decorative Design (advanced course).
- THESIS.

SCHOOL OF LANDSCAPE ARCHITECTURE

OFFICERS OF INSTRUCTION

JAMES STURGIS PRAY, A B, *Charles Ehot Professor of Landscape Architecture, and Chairman of the Council of the School of Landscape Architecture*

HENRY VINCENT HUBBARD, A M, S B, *Assistant Professor of Landscape Architecture* (Absent during 1917-18 for Government Service in Washington)

BREMER WHIDDEN POND, S B, M L A, *Instructor in Landscape Architecture* (Absent during 1917-18 for Government Service in Washington)

STEPHEN FRANCIS HAMBLIN, S B., *Instructor in Horticulture*

The School will recommend for the degree of Master in Landscape Architecture a student who, having satisfied the School as to his preparation, passes with credit in Landscape Architecture 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, acquires facility of expression in freehand drawing, presents a satisfactory graduating thesis, and shows satisfactory attainment in Design in Landscape Architecture, usually to be acquired in not less than two years and a half.

COURSES OF INSTRUCTION

1. Principles of Landscape Architecture, illustrated by a study of examples. — Lectures, with collateral reading, conferences, and special reports *Mon, Wed., Fri., at 9.* PROFESSOR PRAY
2. Practice in Design (first course). Private Estates and related Problems. — Solution of original problems based on topographical surveys. Field work, drafting, criticism, lectures, and collateral reading
First half-year: Mon, Wed., Fri., 11-12, and one additional hour.
Second half-year Mon., Wed., 11-12; also Mon, Wed., 2-5, and at least seven additional hours, except during the weeks when problems in Architecture 2a are being given. First half of succeeding year: Mon, Wed., 2-5, and twelve additional hours PROFESSOR PRAY, in the absence of Asst Professor HUBBARD and Mr POND.

Except by special permission, this course is open to those students only who have been admitted to candidacy for the degree of Master in Landscape Architecture.

- 3 Practice in Design (second course) Park and City Planning Advanced work following the methods of Course 2. *Second half-year, Mon., Wed., 2-5, and ten additional hours First half of succeeding year, Mon, Wed, Fri, 2-5, and twenty-one additional hours.* Professor PRAY

Course 3 is open to those students only who have passed satisfactorily in Courses 2 and 4, or who satisfy the instructors that they have done equivalent work, and have passed satisfactorily in or are taking Courses 5 and 10.

Courses 2 and 3 are normally to be taken successively

4. Principles of Construction (first course) Practice in Preparation of Construction Drawings — Lectures, problems, criticisms, and collateral reading *Second half-year, Mon, Wed, 12-1; Tu, Fri., 2-5, and four additional hours First half of succeeding year, at the same hours* Professor PRAY, in the absence of Asst Professor HUBBARD and Mr POND

Except by special permission, Course 4 is open to those students only who have a knowledge of topographical surveying and have passed Landscape Architecture 11 or presented equivalent preparation

- [5. Principles of Construction (second course) Lectures, reading, conferences, and reports on subjects of individual investigation. *Second half-year Fri., at 11, and eight additional hours Conferences between 2 and 5 on Friday afternoon by appointment* Professor PRAY and Asst Professor HUBBARD]

Omitted in 1917-18.

Except by special permission, Course 5 is open to those students only who have passed satisfactorily in Courses 4 and 2.

6. Plants (Trees, Shrubs, and Herbaceous Plants). Their Nature and Management. — Elements of Horticulture. — Lectures, supplemented by reading, field study with critical reports, work in the greenhouse. *Th afternoon, part of Sat morning, (second half-year, part of Sat. afternoon), and one additional hour (seven hours per week).* Mr. HAMBLIN
7. Plants in relation to Planting Design. — Lectures, reading, and field work. *Th., at 9 and 11, a part of Saturday morning, (second half-year, part of Sat. afternoon), and three additional hours (seven hours per week).* Mr. HAMBLIN

- [8 Planting Design (first course) — Problems, lectures, reading, reports, and field work *Th*, *by appointment, and nine additional hours.* Mr POND]

Omitted in 1917-18

Course 8 is open to those students only who have passed satisfactorily in Courses 6 and 7, or who satisfy the instructor that they have done equivalent work, and have passed satisfactorily in or are taking Course 2.

- 9 Planting Design (second course) Advanced work following the methods of Course 8 — Problems, lectures, and field work *First half-year Th*, *by appointment, and at least seven additional hours.* Professor PRAY and Mr HAMBLIN, in the absence of Mr. POND

Course 9 is open to those students only who have passed satisfactorily in Course 8, or who satisfy the instructor that they have done equivalent work, and are taking Course 3

10. Principles of City Planning, illustrated by a critical study of examples. Lectures, with collateral reading, conferences, and a thesis in some special field of individual investigation *Mon*, *Wed*, and (at the pleasure of the instructor) *Fri*, at 10 *Additional hours for reading and research* Individual conferences by appointment. Professor PRAY
- 11 Elementary Drafting, with special reference to representation of forms used in landscape design. Lectures and problems. *First half-year Mon*, *Tu*, *Fri*, 2-5, and four additional hours Professor PRAY, in the absence of Asst Professor HUBBARD and Mr POND

COURSE OF SPECIAL STUDY

- [20 Competent Graduate Students and others who satisfy the instructor of their ability to pursue advanced work will be directed in special work following Landscape Architecture 3 or Landscape Architecture 10, in design or in research on some special topic in city planning or other portion of the field of landscape architecture. Special reports and a thesis. Professor PRAY.]

Omitted in 1917-18.

THESIS

The thesis for the degree of Master in Landscape Architecture will generally require the solution of a problem in Landscape Design selected by the student and approved by the instructors, and involve the preparation of plans, specifications, and written statements

BUSSEY INSTITUTION — GRADUATE SCHOOL OF APPLIED BIOLOGY

THE BUSSEY INSTITUTION, established under the trust created by the will of Mr Benjamin Bussey in 1871, offers opportunities for graduate instruction and research in those principles and problems which underlie the practical applications of zoology and botany to human welfare.

At present, emphasis is placed upon the study of the morphology, physiology, distribution, and behavior of insects; the laws of heredity and variation in animals and plants, the principles of dendrology, silviculture, and forest management, the effects of environment upon the form, structure, and distribution of the higher vascular plants, and the economic products of the vegetable kingdom and the species that yield them. In cooperation with the School of Tropical Medicine, provision has also been made for medical entomology and the study of the poisonous plants of tropical countries.

Owing to its organization and facilities for cooperation with other departments of the University and neighboring research laboratories, the Bussey Institution offers the advanced student unusual opportunities for instruction and research. It adjoins the Arnold Arboretum, with its library of thirty thousand volumes, herbarium, and large collections of living plants, and is near enough to Cambridge and Boston so that numerous libraries, and the extensive collections of the Gray Herbarium and Museum of Comparative Zoology are accessible. The Harvard Forest at Petersham affords excellent facilities for the study of silviculture, forest management, and forest entomology. Particularly instructive to the economic entomologist is the work of the Federal Parasitological Laboratory at Melrose, which enables the student to acquire an intimate knowledge of an extensive experiment in the suppression of injurious insects. The departments of biology, geology, chemistry, physics, and philosophy in Cambridge and the Medical School enable the research student to secure instruction and advice which are frequently of much value in a consideration of certain phases of their problems.

Special attention is called to the fact that the Bussey Institution is open throughout the year, and, therefore, affords a much needed opportunity, *especially during the summer months*, for investigators from other parts of the country to begin or complete the study of problems that require unusual library or museum facilities, or such encouragement as can be offered by the members of the Bussey staff.

THE FACULTY OF THE BUSSEY INSTITUTION

ABBOTT LAWRENCE LOWELL, LL B, LL D, Ph D, PRESIDENT.

WILLIAM MORTON WHEELER, Ph D, S.D., DEAN and *Professor of Economic Entomology*

JOHN GEORGE JACK, *Assistant Professor of Dendrology.*

GEORGE HOWARD PARKER, S D, *Professor of Zoology.*

WILLIAM ERNEST CASTLE, Ph D., *Professor of Zoology*

WINTHROP JOHN VANLEUVEN OSTERHOUT, Ph D, *Professor of Botany.*

ERNEST EDWARD TYZZER, A M., M D, *George Fabyan Professor of Comparative Pathology*

OAKES AMES, A M, *Assistant Professor of Botany, and Director of the Botanic Garden*

RICHARD THORNTON FISHER, A B, M F, *Assistant Professor of Forestry, and Director of the Harvard Forest*

EDWARD MURRAY EAST, S M, Ph D, *Professor of Experimental Plant Morphology.*

CHARLES THOMAS BRUES, S M, *Assistant Professor of Economic Entomology.*

IRVING WIDMER BAILEY, A B, M F., *Secretary, and Assistant Professor of Forestry*

For general information address the Secretary, Bussey Institution, Forest Hills, Boston, Mass

REQUIREMENTS FOR ADMISSION

Admission to the Bussey Institution is granted to graduates of colleges and scientific schools of good standing who present satisfactory evidence of character and qualifications. In exceptional cases other persons of suitable age and equivalent attainments may also be admitted by special vote of the Faculty in each case. Application for admission may be made by correspondence or at the office of the Institution. Admission to the Bussey Institution does not imply admission to candidacy for a degree.

DEGREES

The degrees conferred are the Master of Science, Master of Forestry, and the Doctor of Science. No degree is granted except upon the completion with credit of at least two full terms' work. In the case of the degrees of Master of Science and Master of Forestry, two consecutive terms of residence are usually required, and the student must attain grade A or B in at least four full courses or their equivalent.

Students who are not candidates for a degree may register for special instruction and research at any time during the academic year.

At registration, or within two days thereafter, every student of the School is required to submit to the Dean his list of elective studies for approval and then to file this list, countersigned by the Dean, at the office of the School. Any subsequent change in this list of studies must be similarly approved and filed

Candidates for the Master's degree in Science or Forestry and that of Doctor of Science must, at the beginning of their work, submit their programme of study for the approval of the Dean

ACADEMIC YEAR

The academic year is divided into three terms a *fall-winter term*, from the Monday preceding the last Wednesday in September to the second Sunday in February, a *spring term*, from the Monday following the second Sunday in February to the second Sunday in June, and a *summer term*, from the Monday following the second Sunday in June to the Sunday following the last Wednesday in September

REGISTRATION

Applicants for admission are expected to be present in Forest Hills at the beginning of one of the three terms of the academic year, and to register by filling a registration blank and filing it at the office of the school

On registering, a student receives a certificate of registration from the officer in charge, this certificate he must present to the Bursar, when he files his bond or gives other satisfactory security for the payment of dues incurred during his term of residence. He will obtain from the Bursar authorization to attend instruction and to use the University Libraries

A student who withdraws from the school in the course of an academic year is required to give immediate written notice at the office of the school. No deduction from the full term's fees will be made in the case of a student who withdraws during the term unless he gives this notice.

DEPARTMENTS OF THE INSTITUTION

ECONOMIC ENTOMOLOGY

Zoology 7a²hf. Morphology and Classification of Insects. — Lectures, laboratory work, and demonstrations. *Half-course (spring term)*
Two lectures and three hours laboratory work weekly, *hours to be arranged with instructors*. Lectures and laboratory work at the Bussey Institution. Professor WHEELER and Asst. Professor BRUES.

Course 7a is open to students who have an elementary knowledge of Biology.

Zoology 7b ²/_{hf} Habits and Distribution of Insects — Lectures, laboratory and field work *Half-course (spring term)* Two lectures and a day of field or laboratory work. *Hours to be arranged with the instructors* Lectures and laboratory work at the Bussey Institution. Professor WHEELER and Asst. Professor BRUES

Course 7b is open to students who have had Zoology 7a or an equivalent

Zoology 7c ²/_{hf} Practical Entomology. — Lectures and laboratory work *Half-course (spring term)*. Two lectures and three hours of laboratory work each week *Hours to be arranged with the instructor* Lectures and laboratory work at the Bussey Institution. Asst Professor BRUES

Course 7c is open to students who have an elementary knowledge of Biology

Zoology 18 (Medicine 706) Tropical Entomology Lectures, laboratory work and demonstrations. *Half-course (February and March)*. *Three two-hour periods a week during February and March* *Hours to be announced later* Professor WHEELER and Asst Professor BRUES

ZOOLOGY 20f Research in Economic Entomology Professor WHEELER and Asst Professor BRUES

ZOOLOGY 20h Research in Forest Entomology Professor WHEELER and Asst Professor BRUES

ENTOMOLOGICAL SEMINAR

A seminar is conducted weekly by the instructors and research students to afford an opportunity for reviewing and discussing recent entomological publications and for presenting the results of investigations at the Bussey Institution.

ANIMAL GENETICS

FOR GRADUATES AND UNDERGRADUATES

ZOOLOGY 8 ¹/_{hf}. Genetics and Eugenics The reproduction of animals, the origin of new races, the influence of heredity and environment, applications to animal breeding and human society Lectures, reading and conferences; or lectures and laboratory work *Half-course (first half-year)*. *Mon, Wed, Fri, at 9* Professor CASTLE and Mr. DUNN.

PRIMARYLY FOR GRADUATES

*ZOOLOGY 10 ¹/₂f. Genetics (advanced course) *Half-course (first half-year).*
Professor CASTLE.

ZOOLOGY 20d. Research in Variation, Heredity, and the Principles of
Animal Breeding Professor CASTLE

PLANT GENETICS

*BOTANY 11 ²/₂f The Principles of Genetics Lectures and laboratory work
*Half-course (second half-year) Mon, Wed, and (at the pleasure
of the instructor) Fri, at 11* Professor EAST and an assistant

Course 11 is open to those students only who have an elementary knowledge of Biology, Mathematics, and Chemistry

PRIMARYLY FOR GRADUATES

*BOTANY 12 ²/₂f Genetics Advanced studies upon Special Topics Lectures are given at the Bussey Institution, Jamaica Plain. A thesis may be substituted for laboratory work *Half-course (second half-year) Days and hours to be arranged* Professor EAST

This course is open to those students only who have taken Course 11, or an equivalent

BOTANY 20f Principles of Genetics and their application to Plant Breeding
Professor EAST

DENDROLOGY

FORESTRY 20a Research in Dendrology Asst Professor JACK.

SILVICULTURE AND FOREST MANAGEMENT

PRINCIPLES OF FORESTRY — *Half-course (first half-year) Tu., Th, Sat, at 11, and one half-day a week field work* Asst Professors FISHER and JACK

FORESTRY 20b Research in Silviculture and Forest Management Asst. Professor FISHER

PHYSIOLOGICAL PLANT ANATOMY

APPLIED BOTANY 20b The effects of environment upon the form, structure, and distribution of vascular plants Asst. Professor BAILEY

FORESTRY 20c Structure and Properties of Economic Woods Asst. Professor BAILEY.

ECONOMIC BOTANY

*BOTANY 15 Outlines of Economic Botany Lectures, laboratory work and demonstrations *Half-course (spring term) Hours to be arranged*
Lectures and laboratory work at the Bussey Institution Demonstrations in part at the Botanic Garden and University Museum
Asst Professor AMES

GENERAL SEMINAR

Once a month a general seminar attended by all the staff and students of the Bussey Institution is held At these meetings topics of general scientific interest are brought up for consideration and discussion.

PAYMENTS

TUITION

A tuition fee of one hundred dollars is charged for a full term's work Students taking less than four half-courses in any term are charged at the rate of twenty-five dollars for each half-course

All students are required to pay the tuition fee in advance, at the beginning of each term. No bills are sent specifically for the tuition fee, which should be paid to the Bursar on or before the following dates*

Tuition for the fall-winter term	.	September 23.
" " " spring "		February 11
" " " summer "		June 10

A student who is doing less than full work is required to present at the Bursar's office a certificate from the Dean or the Secretary stating the courses that he is taking, and he is not permitted to attend courses that are not included in the certificate

BOND REQUIREMENTS

Every resident student must file with the Bursar a bond in the sum of *two hundred dollars*, signed by two bondsmen, one of whom must be a citizen of the United States, or by a surety company duly qualified to do business in Massachusetts, as security for the payment of University bills; or he may deposit with the Bursar two hundred dollars in United States bonds for the same purpose, or he may deposit *fifty dollars* as security and pay in advance all sums for which he shall become liable to the University

No officer or student of the University is accepted as a bondsman.

* The Bursar's office is in Dane Hall, Harvard Square, Cambridge. Hours, 9-1

THE BUSSEY DORMITORY

A large dwelling house situated upon the grounds of the Bussey Institution is maintained as a dormitory and club for the graduate students. Students living in this dormitory are charged a fee ranging from six dollars to fifteen dollars a month according to the accommodations. Similar accommodations are available at Petersham.

SCHOLARSHIPS

The following scholarships have been assigned to the Bussey Institution for Research in Applied Biology:—

THE BLISS SCHOLARSHIPS. Founded by Mrs WILLIAM H. BLISS of New York in 1917, with an income of eleven hundred and twenty-five dollars, "to be applied to the establishment and support of scholarships in the Division of Forestry" The award of these scholarships is made by the Faculty of the Bussey Institution

THE GEORGE H EMERSON SCHOLARSHIP, with an income of four hundred dollars.

UNIVERSITY SCHOLARSHIP, with an income of two hundred dollars. Maintained by the University under votes of the President and Fellows

THE PRISCILLA CLARK HODGES SCHOLARSHIP, with an income of two hundred and twenty-five dollars. Established in 1907, with a principal of four thousand dollars, the bequest of Miss PRISCILLA CLARK HODGES of Boston, Mass

THE ANNA C. AMES SCHOLARSHIP, with an income of four hundred dollars. Founded by Professor OAKES AMES. The recipient of this scholarship, if a zoologist, is required to take at least one of the courses in botany offered by the University; if a botanist, at least one course in zoology. It is Professor AMES's wish that "some reference book of permanent value, suitably inscribed in memory of ANNA C AMES, be given the recipient. The amount set aside for this purpose is not to exceed twenty-five dollars in any one year."

Fellowships and Scholarships available in other Departments of the University as well as in the Bussey Institution

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS AND SCHOLARSHIPS. *The income of this Fund is available for holders of any degree from Harvard University* For further particulars, see page 294

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP, with an income at present of eleven hundred and twenty-five dollars Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-five thousand dollars in memory of VICTOR EMANUEL CHAPMAN, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while a member of the Flying Corps of the French Army This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University For further particulars, see page 298

THE WILLIAM STANISLAUS MURPHY SCHOLARSHIPS, with an income of two hundred and fifty dollars each Founded by WILLIAM STANISLAUS MURPHY, of the Class of 1885, to be used for the collegiate education of men of the name of Murphy who, in the judgment of the Faculty, prove deserving of this kind of encouragement These scholarships are available for students in all departments of the University

Application should be made to Dean L. B. R. BRIGGS, the Chairman of the Committee on General Scholarships and on the Sheldon Fund

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP, with an income of four hundred dollars, "to be offered each year to a graduate of an Iowa college or university in any of the graduate or professional departments of Harvard University." The terms of gift are quoted further on page 268

THE PRINCETON FELLOWSHIP; with a stipend of four hundred and fifty dollars From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University

THE JAMES A. RUMRILL SCHOLARSHIP, with an income at present of two hundred and twenty-five dollars Founded in 1909 by Mrs. JAMES A. RUMRILL, in memory of her husband, JAMES AUGUSTUS RUMRILL, of Springfield, Mass., of the Class of 1859. The terms of gift are quoted further on page 314.

ENGINEERING AND MINING

CIVIL AND SANITARY ENGINEERING, MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING, MINING ENGINEERING AND METALLURGY

The departments of Engineering and Mining of the University are in the process of reorganization, owing to a recent decision of the Supreme Judicial Court of Massachusetts that a cooperative arrangement made in 1914 between the University and the Massachusetts Institute of Technology can not be lawfully carried out as respects the Gordon McKay endowment. Announcement of offerings in these departments must, therefore, be deferred until plans for the future are made, when a special bulletin will be published.

Inquiries should be addressed to the Department of Engineering or the Department of Mining, Harvard University, Cambridge

THE DIVINITY SCHOOL

The Constitution of the Divinity School prescribes that "every encouragement be given to the serious, impartial, and unbiassed investigation of Christian truth, and that no assent to the peculiarities of any denomination of Christians shall be required either of the instructors or students." The administration of the School is carefully conformed to this principle. Various denominations are represented in its Faculty and among its students. The aim of its management is to maintain a school in which all matters connected with theology shall be studied in a spirit as free as that in which philosophy, history, and classical literature are studied in our colleges. At the same time, special attention is given to preparation for the practical work of the ministry. Large opportunity is offered for graduate study, and many of the students are graduates of other theological seminaries.

The degree of BACHELOR OF THEOLOGY (*Scientiae Theologicae Baccalaureus*, S.T.B.), to be given in connection with graduation from the School, was instituted in 1869. It is awarded on recommendation by the Faculty of Divinity. Candidates for this degree must have received a degree of Bachelor of Arts on an approved course of study or show that they have had an education equivalent to that of a college graduate.

The degree of MASTER OF THEOLOGY (*Scientiae Theologicae Magister*, S.T.M.), instituted in 1912, and the degree of DOCTOR OF THEOLOGY (*Theologiae Doctor*, Th.D.), instituted in 1914, are also administered by the Faculty of Divinity. Candidates for these degrees must be graduates both of an approved college and an approved school of theology and must fulfil the requirements for the degrees as set forth on pages 375-377.

Students in the School may, in special cases, and with the approval of the Faculty, be candidates for the degrees of MASTER OF ARTS and DOCTOR OF PHILOSOPHY. These degrees are given on recommendation by the Faculty of Arts and Sciences. (See p. 377.)

Andover Theological Seminary and the Episcopal Theological School, both of which are located in Cambridge, are affiliated with Harvard University under agreements whereby the courses of instruction in all three institutions are freely opened to the students in each school.

Boston University School of Theology and Newton Theological Institution are also affiliated with the University, and instruction in either school is available for students in Harvard Divinity School.

THE FACULTY OF DIVINITY

- ABBOTT LAWRENCE LOWELL, A B., LL B, LL D, Ph D., PRESIDENT
 WILLIAM WALLACE FENN, A M, D D., DEAN, and *Bussey Professor of Theology.*
 FREDERIC PALMER, A.M, D D, *Managing Editor of the Harvard Theological Review*
 EPHRAIM EMERTON, Ph.D, *Winn Professor of Ecclesiastical History.*
 GEORGE FOOT MOORE, A M, D D, LL.D, Litt D, *Frothingham Professor of the History of Religion.*
 DAVID GORDON LYON, Ph D, D D, *Hancock Professor of Hebrew and other Oriental Languages, and Curator of the Semitic Museum*
 EDWARD CALDWELL MOORE, Ph.D, D D, *Parkman Professor of Theology and Plummer Professor of Christian Morals.*
 JAMES RICHARD JEWETT, Ph D, *Professor of Arabic.*
 IRVING LESTER WINTER, A B, *Associate Professor of Public Speaking*
 JAMES HARDY ROPES, A.B, D D, *Holles Professor of Divinity and Dexter Lecturer on Biblical Literature.*
 KIRSOPP LAKE, M A, D D, *Professor of Early Christian Literature.*
 HENRY WILDER FOOTE, A M, S T.B, *Assistant Professor of Preaching and Parish Administration, and Secretary of the Faculty*
 JAMES FORD, Ph D, *Assistant Professor of Social Ethics*
 ROBERT FRANZ FOERSTER, Ph D, *Assistant Professor of Social Ethics.*

- OWEN HAMILTON GATES, Ph D, *Librarian of the Andover-Harvard Theological Library*
 GEORGE LA PIANA, S T.M., Ph.D, *Austin Teaching Fellow in the History of Religion.*
 HARRY AUSTRYN WOLFSON, Ph.D, *Instructor in Jewish Literature and Philosophy.*
 ARCHIBALD THOMPSON DAVISON, Ph.D, *Director of Music.*

- CRAWFORD HOWELL TOY, A.M., LL D, *Hancock Professor of Hebrew and other Oriental Languages, Emeritus*
 FRANCIS GREENWOOD PEABODY, A.M, D.D, LL D., *Plummer Professor of Christian Morals, Emeritus*
 ROBERT SWAIN MORISON, A.M., S.T.B., *Librarian, Emeritus.*

ANDOVER PROFESSORS IN HARVARD UNIVERSITY

WILLIAM HENRY RYDER, A M, D D, *Andover Professor of New Testament Interpretation*

JOHN WINTHROP PLATNER, A M, D.D., *Andover Professor of Ecclesiastical History*

DANIEL EVANS, A B, D D, *Andover Professor of Systematic Theology.*

WILLIAM ROSENZWEIG ARNOLD, Ph D, *Andover Professor of the Hebrew Language and Literature*

THE FACULTY OF THE EPISCOPAL THEOLOGICAL SCHOOL *

GEORGE HODGES, A M, D D, D C L, LL D, DEAN, and *Stone Professor of Homiletics and Pastoral Theology, and Lecturer on Liturgics*

MAXIMILIAN LINDSAY KELLNER, A M, D D, *Professor of the Literature and Interpretation of the Old Testament.*

EDWARD STAPLES DROWN, A B, D D, *Professor of Systematic Divinity.*

HENRY BRADFORD WASHBURN, A B, B D, *Secretary, and Professor of Ecclesiastical History*

WILLIAM HENRY PAINE HATCH, Ph D, D D, *Professor of the Literature and Interpretation of the New Testament*

RICHARD GILMORE APPEL, A M., *Organist and Instructor in Church Music*

JAMES THAYER ADDISON, A B., S T B, *Alumni Lecturer on the History of Religions.*

NORMAN BURDETTE NASH, A B, S.T.B., *Instructor in the New Testament.*

ADMISSION OF STUDENTS

Testimonials All candidates for admission must furnish testimonials of character and scholarship.

Resident Graduates. Graduates of Theological Schools are admitted as Resident Graduates, provided the courses of study which they have pursued are satisfactory to the Faculty.

Candidates for the degree of S T.B. All candidates for the degree of Bachelor of Theology must have received the degree of Bachelor of Arts, representing a course of study approved by the Faculty, or must satisfy the Faculty that their education has been equal to that of graduates of approved colleges.

* Courses offered by instructors in Andover Theological Seminary and in the Episcopal Theological School are open to students registered in the Harvard Divinity School in accordance with the arrangements described on pages 359, 362, 363.

Advanced Standing Students qualified for admission to candidacy for the degree of STB in this School, who have studied in an approved theological school, may be admitted to advanced standing. Applicants for advanced standing must present a complete record of their previous studies.

Unclassified Students Students admitted from other theological schools as candidates for the degree of Bachelor of Theology, when they cannot be assigned immediately to a class, may be temporarily registered as unclassified students. Qualified persons who are admitted to pursue special or partial studies in the School will be designated in the same way.

Registration All students are required to register on the first day of the academic year, unless previously excused by the Dean. Since, however, several courses are given only in the second half-year, and others may be entered after the mid-year examinations, students may be admitted to the School at the beginning of the second half-year. In such cases, fees are adjusted in accordance with the regulations on pages 380-383, and applications for a proportional amount of scholarship aid will be considered by the Faculty. Students in the affiliated theological schools desiring to take courses in the University must register for that purpose in the Divinity School or other appropriate department of Harvard University. Students in Harvard University desiring to take courses offered by any one of the affiliated theological schools may register for that purpose in the appropriate institution.

COURSES OF INSTRUCTION

The following Courses of Instruction are classed as full courses or half-courses, according to the estimated amount of work in each. In the following list all courses are full courses, unless the contrary is stated, with the exception of the Courses of Research, which are estimated in each case by the instructor, but usually as full courses.

Students are free to choose any studies which they are qualified to pursue, but candidates for the degree of Bachelor of Theology are required to pass, at the completion of their three years of theological study, satisfactory examinations, both oral and written, upon The Religion of Israel, Early Christianity, The History of Christianity, The History of Religions, Systematic Theology, and The Work of the Minister, including Social Ethics, together with examinations in whatever other studies have been pursued, with the approval of the Faculty, as part of the candidate's professional education. Students must in every case leave with the Dean at the beginning of the year, for the approval of the Faculty, lists of the courses which they propose to take.

In the following list are included courses offered by Andover Theological Seminary and by the Episcopal Theological School leading towards the degree of Bachelor of Theology of Harvard University. The courses which are designated by a number only are given by Harvard instructors, those which are designated by the letter *A* and a number are given by members of the Faculty of Andover Theological Seminary, those which are designated by the letter *E* and a number are given by members of the Faculty of the Episcopal Theological School. All these courses are open to students in the Harvard Divinity School. For full information concerning Andover courses students should consult the Catalogue of Andover Theological Seminary. For information about courses in the Episcopal Theological School students should consult the Catalogue of that institution.

In all the instruction of the School reference is freely made to German and French books. Students are urgently advised to acquire a reading knowledge of these languages, especially of German, before entering the School.

OLD TESTAMENT

A. *Historical and Literary Courses*

NOTE. For these courses an acquaintance with the Semitic languages is not essential.

- [4. The Old Testament, with special reference to the History and the Literature of Israel. *Mon., Wed., Fri., at 11*. Professor LYON.]

Omitted in 1917-18.

- A4 ¹/₂f. History of Israel. *Half-course (first half-year). Wed., Fri., at 12*. Professor ARNOLD.

- [E6 ¹/₂f. History of Israel. *Half-course (first half-year) Mon., Wed., Fri., at 12*.]

Omitted in 1917-18.

- A5. Introduction to the Old Testament — History of the text, the formation of the Canon, historico-critical study of the origin, form, and contents of the several books. *Mon., Wed., Fri., at 10*. Professor ARNOLD.

- E5a ¹/₂f. Old Testament Introduction. The composition of the Hexateuch, the Historical Books, and the Moral Tales. *Half-course (first half-year). Mon., Wed., Fri., at 11*. Professor KELLNER.

- E5b ²/₂f. Old Testament Introduction. The Prophetical Books, the Poetical Books, and the Wisdom Literature. *Half-course (second half-year). Mon., Wed., Fri., at 11*. Professor KELLNER.

- [46. Religion of Israel — History of the religious ideas and institutions of Israel from the earliest times to the Maccabean age *Mon., Wed, Fri, at 10.* Professor ARNOLD]

Omitted in 1917-18.

This course is given in alternate years with History of Religions 6

- [E7 ¹/₂ Religion of Israel. *Half-course (first half-year).* *Mon, Wed, Fri, at 11.*]

Omitted in 1917-18.

This course is open only to those who have taken the course in the History of Israel, E6, or an equivalent course

12. History of Babylonia and Assyria. *Mon, Wed, and (at the pleasure of the instructor) Fri., at 11* Professor LYON

B *Linguistic and Exegetical Courses*

- E1 Hebrew for Beginners *Mon, Wed, Fri, at 10.* Professor KELLNER

- E2 ¹/₂ Hebrew Exegetical study of the prophet Isaiah-ben-Amoz. *Half-course (first half-year).* *Mon., Wed, Fri, at 12* Professor KELLNER

2. Hebrew (second course).—Syntax. Extensive reading in the Old Testament *Tu, Th., at 2.30* Professor LYON.

- A3. Hebrew. The Prophetical Books of the Old Testament.—Interpretation and criticism of portions of the prophetic writings, selected with special reference to literary and historical problems. *Tu, Th, at 2.30* Professor ARNOLD

- [E3 ¹/₂ Hebrew Exegetical study of the prophet Ezekiel *Half-course (first half-year)* *Mon, Wed., Fri, at 12* Professor KELLNER]

Omitted in 1917-18.

- E4 ²/₂ Hebrew. Sight-reading in Genesis, Deuteronomy, Kings, Jonah, Ruth, and Esther. *Half-course (second half-year).* *One evening a week.* Professor KELLNER.

- [A7. Hebrew. The Poetry of the Old Testament. *Tu, Th, at 2.30* Professor ARNOLD]

Omitted in 1917-18.

10. Assyrian *Twice a week* Professor LYON.

11. Assyrian (second course) *Twice a week* Professor LYON.

13. Arabic.—Socin's Grammar, Brunnow's Chrestomathy. *Mon., Wed, Fri, at 11.* Professor JEWETT.

14. Arabic (second course) —De Goeje's edition of Wright's Grammar: selections from the Qorân, the Hadith, and classical writers on geography and history. *Tu., Th, at 3.30.* Professor JEWETT.

17. Jewish Aramaic — The Aramaic portions of Daniel and Ezra; inscriptions and papyri, selections from the Targums, Marti's *Biblisch-Aramaische Grammatik*, Staerk's and Ungnad's editions of the Aramaic papyri of Elephantine, Dalman's *Aramaische Dialektproben* *Twice a week*. Dr WOLFSON
- 18 Syriac — Brockelmann's *Syrische Grammatik*, selections from the *Peshitto*. *Twice a week* Professor JEWETT.
- [19 Syriac, second course Nöldeke's *Syriac Grammar*, selections from Syriac prose of the classical period. *Twice a week*.]
Omitted in 1917-18
- A20 Research Course Old Testament Problems The special subject will be determined after conference with properly qualified applicants Professor ARNOLD

Semitic Conference

The Semitic Conference holds meetings once a month throughout the academic year There are essays and discussions In addition to the regular work, letters from foreign correspondents are read from time to time, and notes are presented calling attention to new publications, to travels, explorations, and discoveries, and to additions to the Semitic Museum and the Semitic Library

NEW TESTAMENT

A Introductory Courses

- I The New Testament *Mon., Wed., Fri., at 9*
 (a) The Books of the New Testament. (*First half-year*) Professors RYDER, ROPES, LAKE, and HATCH, and Mr NASH
 (b) The Ideas of the New Testament. (*Second half-year*) Professor HATCH.

The first half-year may be taken separately as a half-course

E10¹. New Testament Greek. *First half-year. Tu., Th, Sat., at 12* Mr. NASH.

B Exegetical Courses

NOTE. — To enter profitably on the work of the exegetical courses a fresh and accurate knowledge of the elements of Greek grammar (inflections and syntax) is necessary. Students who have paid no attention to Greek for several years must review their Greek grammar before the opening of the course. For students unacquainted with Greek, the Faculty of Arts and Sciences provides a Course for Beginners (Greek *G Tu., Th, Sat., at 12*. Asst. Professor C. N JACKSON)

- 43 Interpretation of the Synoptic Gospels *Mon, Wed., Fri., at 2.30.*
Professor RYDER
- 7^{1hf} The Acts of the Apostles. *Half-course (first half-year).* *Mon, Wed.,
Fri., at 12.* Professors ROPES and LAKE
- 8 The Epistles of Paul — Selected portions *Mon, Wed, Fri., at 10*
Professor ROPES
- E3^{2hf}. The Exegesis of the Epistle to the Romans. *Half-course (second
half-year).* *Mon, Wed, Fri., at 11.* MR NASH
- 10^{2hf}. The Johannine Gospel and Epistles *Half-course (second half-year).*
Mon, Wed, Fri., at 10 Professor LAKE.

C General Courses

- 15^{1hf}. The Theological Method of Jesus and Paul *Half-course (first half-
year)* *Tu, Th, at 10* Professor FENN
- A17. The Life of Christ *Mon, Wed, at 3 30* Professor HINCKS
- 20 Advanced study and research Professors RYDER, ROPES, and LAKE
will arrange and supervise special work of competent advanced
students on such topics of New Testament study as they may desire
to undertake Systematic guidance in the exegetical study of any
books of the New Testament will be provided so as to meet the indi-
vidual needs of advanced students.

See also History of Religions 20a

CHURCH HISTORY

- [41 History of the Church in Outline *Tu., Th., Sat, at 9.* Professor
PLATNER]
Omitted in 1917-18
- 1 The First Eight Christian Centuries. — The Conflict of Christianity
with Paganism to its alliance with the Frankish State. Origin and
Development of the Roman Papacy. The Germanic races as the
basis of a new Christian civilization *Tu, Th, at 9.* Professor
EMERTON
- E1. The History of the Church and of Doctrine during the first ten cen-
turies *Tu, Th, Sat, at 10* Professor WASHBURN
- [6^{1hf} History of Early Christian Literature outside of the New Testament.
Half-course (first half-year) *Mon., Wed., Fri., at 10.* Professor
LAKE]
Omitted in 1917-18

A6. History of Early Christian Literature. *Tu*, 3 30-5 30. Professor PLATNER

[2 ¹/₂hf The Church in the Middle Ages from Charlemagne to Dante — Formation of the European States The Holy Roman Empire The Roman Papal System as the controlling force in European Life. *Half-course (first half-year)* *Tu*, *Th*, at 11 Professor EMERTON]
Omitted in 1917-18

3 The Era of the Reformation in Europe from the rise of Italian Humanism to the Close of the Council of Trent (1350-1563) *Tu*, *Th*, at 11. Professor EMERTON.

E2 The History of the Church and of Doctrine from the beginning of the eleventh century to the present day *Tu*, *Th*, *Sat*, at 9. Professor WASHBURN.

4a ¹/₂hf. History of Christian Life and Institutions in Europe since the Reformation. *Half-course (first half-year)* *Mon*, *Wed*, *Fri*, at 11. Professor EDWARD C MOORE

4b ²/₂hf The Expansion of Christendom and the Naturalization of Christianity in the Orient, more particularly during the nineteenth century. *Half-course (second half-year)* *Mon*, *Wed*, *Fri*, at 11. Professor EDWARD C. MOORE.

[A5. Christian Institutions, historically and comparatively considered. *Tu*, 3 30-5 30 Professor PLATNER]
Omitted in 1917-18.

A4 ¹/₂hf. History of Christianity in England since the Reformation *Half-course (first half-year)*. *Tu.*, *Th*, *Sat*, at 10 Professor PLATNER.

E3 ¹/₂hf. The English Church, the English State and the Papacy from the beginning to the Reformation *Half-course (first half-year)* *Bi-weekly*. *Mon.*, 3-5 Professor WASHBURN.

[A5 ¹/₂hf History of the Church in America *Half-course (first half-year)*. *Tu*, *Th*, *Sat*, at 10. Professor PLATNER.]
Omitted in 1917-18

E4 ²/₂hf Four English Churchmen *Half-course (second half-year)*. *Bi-weekly*. *Mon*, 3-5. Professor WASHBURN.

A8 ²/₂hf. History of Congregationalism. *Half-course (second half-year)*. *Tu*, *Th*, at 10. Professor PLATNER

A2. History of Christian Doctrine *Tu*, *Th*, *Sat*, at 9. Professor PLATNER.

- [5¹. History of Christian Thought, considered in its relation to the prevailing philosophy of each period, from the earliest time to the Eighteenth Century *First half-year. Tu, Wed, Th, Fri., at 9.* Professor EMERTON]

Omitted in 1917-18

- 9^{1hf} Missionary Theory and Practice, and missionary problems of the present age. *Half-course (first half-year) At hours to be arranged between the instructor and students.* Professor EDWARD C. MOORE

- [49^{2hf}. Modern Foreign Missions *Half-course (second half-year). Tu, Th, at 10* Professor PLATNER]

Omitted in 1917-18.

- 20^{1hf}. Practice in the Study and Use of Materials for Church History. Professor EMERTON.

- 20b Documents of the Early Church. Professor LAKE.

HISTORY OF RELIGIONS

- 1a^{1hf}. Origin and Development of Religion *Half-course (first half-year) Mon., Wed, Fri, at 2 30* Professor G. F. MOORE.

- 1b^{2hf}. Origin and Development of Religion *Half-course (second half-year). Mon, Wed, Fri, at 2.30* Professor G. F. MOORE

- [2^{2hf}. History of Religions in Outline *Half-course (second half-year). Mon., Wed, Fri, at 2 30.* Professor G. F. MOORE]

Omitted in 1917-18.

- [6. The Religion of Israel, Judaism *Tu, Th, Sat, at 12.* Professor G. F. MOORE.]

Omitted in 1917-18

- 4^{1hf}. Judaism at the beginning of the Christian Era. *Half-course (first half-year). Mon, Wed., Fri., at 3.30* Professor G. F. MOORE.

- 7^{2hf} The Religion of the Roman Empire at the Beginning of the Christian Era *Half-course (second half-year). Wed, Fri., at 12.* Professor LAKE

- [9 The Beginnings of Christianity. *Tu., Th., Sat, at 9.* Professor LAKE]

Omitted in 1917-18.

- E1^{1hf}. The Religions of China and Japan. *Half-course (first half-year). Mon., Wed, Fri, at 12.* Rev JAMES THAYER ADDISON.

- 20a. Conference The Formation of Early Christian Tradition Professor G. F. MOORE, with Professors ROPES and LAKE

Only advanced students of the New Testament will be admitted. Application should be made to Professor MOORE.

- 20x. Professor MOORE will direct the reading and investigations of properly qualified students in the general history of religion or in particular fields

THEOLOGY

- 1¹hf Theism *Half-course (first half-year)* Mon., Wed, Fri, at 11.
Professor FENN.
- [A1¹hf The Philosophic Basis of the Christian Religion *Half-course (first half-year)* Tu, Th, Sat, at 11 Professor EVANS]
Omitted in 1917-18.
- A5¹hf The Psychology of Religion *Half-course (first half-year)*. Tu, Th., Sat., at 11. Professor EVANS
- 2². Outlines of Systematic Theology *Second half-year* Tu, Wed, Th, Fri, at 9 Professor FENN
- A2 Systematic Theology. The Distinctive Truths of Christianity. Tu, Th, Sat, at 12. Professor EVANS.
- E1 The System of Christian Doctrine. Tu, Th, Sat, at 10 Professor DROWN
- [A3²hf Christian Ethics *Half-course (second half-year)*. Tu, Th, Sat, at 11 Professor EVANS]
Omitted in 1917-18.
- E3¹hf. Christian Ethics *Half-course (first half-year)*. Tu., Th, Sat, at 9. Professor DROWN.
- E3²hf. Apologetics Philosophy of Religion, and the Defence of the Christian Faith. *Half-course (second half-year)*. Tu, Th, Sat, at 9. Professor DROWN.
- [3¹hf. New England Theology. *Half-course (first half-year)*. Tu., 2.30-4.30. Professor FENN.]
Omitted in 1917-18.
- E4¹hf. Theology of Coleridge, Robertson, and Maurice. *Half-course (second half-year)*. *Hours to be appointed Seminar, once a fortnight* Professor DROWN.
- [E5²hf. A Historical Study of the Doctrines of the Atonement and of Justification. *Half-course (second half-year)*. *Seminar, once a fortnight* Professor DROWN.]
Omitted in 1917-18.
- [5²hf. The History and Philosophy of Christian Mysticism *Half-course (second half-year)*. Tu., 2.30-4.30. Professor FENN.]
Omitted in 1917-18.

[6 ¹/₂ History of Christian Thought since 1630 *Half-course (first half-year)*. *Mon, Wed., Fri., at 12.* Professor EDWARD C MOORE]

Omitted in 1917-18

7a ¹/₂ Philosophy of Religion *Half-course (first half-year)*. *Mon, Wed., Fri., at 12* Professor EDWARD C. MOORE

7b ²/₂ Philosophy of Religion *Half-course (second half-year)* *Mon, Wed., Fri., at 12* Professor EDWARD C MOORE

8 ²/₂ Current Problems in Theology *Half-course (second half-year)* *Tu, 2 30-4 30* Professor FENN

9 ¹/₂ History of the Christian Religion *Half-course (first half-year)* *Tu, 2 30-4 30* Professor FENN.

[10 ¹/₂ Philosophy of Religion *Half-course (first half-year)* *Th, 2 30-4 30.* Professor EDWARD C MOORE]

Omitted in 1917-18

20a ¹/₂ A Seminary Modern Theology, especially as influenced by Ritschl a survey of constructive work in Theology during the last thirty years *Half-course (first half-year)* *Th, 2 30-4 30* Professor EDWARD C. MOORE

20b ²/₂ Philosophy of Religion A Seminary In 1917-18 three problems will be discussed belief and knowledge, religion and morals; faith and worship *Half-course (second half-year)* *Th, 2.30-4 30.* Professor EDWARD C MOORE

20c Philosophical and Theological Method of Thomas Aquinas. — *Summa Theologica*, Part I. — *Summa Philosophica*. Seminary course for Seniors and advanced students. *Two hours, one afternoon or evening a week, hours to be arranged* Dr. GEORGE LA PIANA.

SOCIAL ETHICS

NOTE — It is desirable that students for the ministry should take the introductory course, Social Ethics 1, or its equivalent before entering the Divinity School The courses following Social Ethics 1 deal intensively with specific social problems — conditions, principles, and policy, and all assume familiarity with the general principles of Social Ethics. They are open only by special permission to students who have not had the introductory course or its equivalent.

1. Social Problems and Social Policy (Introductory Course). — Lectures, prescribed reading, and thesis. *Tu, Th, Sat, at 10.* Asst. Professors FOERSTER and FORD.

44 ²/_{hf}. Social Problems in the light of Christian Ethics *Half-course (second half-year)* *Tu, Th, Sat, at 11.* Professor EVANS

This course appears in the Andover Announcement as Theology 4

[17 ¹/_{hf}. The Minister's Relation to Social Agencies *Half-course (first half-year)* *Tu, Th., Sat, at 11.* Asst Professor FOOTE]

Omitted in 1917-18

18 ²/_{hf} Philanthropy in the Nineteenth Century *Half-course (second half-year).* *Tu, Th, Sat, at 12* Asst Professor FOOTE

2 ²/_{hf} Poor Relief Lectures, prescribed reading, and field work *Half-course (second half-year)* *Mon, Wed, at 1 30, and a third hour by special appointment* Asst Professor FORD

[3 ¹/_{hf} Criminology and Penology — Lectures, prescribed reading, and reports *Half-course (first half-year)*]

Omitted in 1917-18

4 ¹/_{hf} American Population Problems. Immigration and the Negro — Lectures, prescribed reading, and a research *Half-course (first half-year)* *Mon, Wed, Fri, at 11* Asst. Professor FOERSTER

5 ¹/_{hf} The Housing Problem — Lectures, prescribed reading, and research *Half-course (first half-year).* *Mon, Wed, Fri, at 10* Asst Professor FORD

6 ²/_{hf} Unemployment and Related Problems of the Working Classes, with special consideration of Social Insurance — Lectures and prescribed reading *Half-course (second half-year)* *Mon, Wed, Fri, at 11.* Asst. Professor FOERSTER

7 ²/_{hf}. Rural Social Development. — Lectures, prescribed reading, and a thesis. *Half-course (second half-year).* *Mon, Wed, Fri, at 10.* Asst. Professor FORD

15 ¹/_{hf} Recent Theories of Social Reform. *Half-course (first half-year).* *Two consecutive afternoon or evening hours a week, to be arranged.* Asst. Professor FOERSTER.

COURSES OF RESEARCH

20 Special Researches.

Asst. Professor FOERSTER and Asst Professor FORD will direct researches in special fields of Social Ethics.

20b. Seminary. The Alcohol Problem *Two consecutive afternoon or evening hours, to be arranged* Asst. Professor FORD.

HOMILETICS AND PASTORAL CARE

- 1a ¹/₂hf. The Minister as Preacher. *Half-course (first half-year)*. Mon, Wed, Fri, at 12. Asst Professor FOOTE
- 1b ²/₂hf Parish Administration. *Half-course (second half-year)*. Mon., Wed., Fri, at 12 Asst. Professor FOOTE.
- E1 ¹/₂hf The Practical Use of Theological Material A course of general introduction to theological study. *Half-course (first half-year)*. Tu, Th., Sat, at 11. Professor DROWN.
- 2 Preaching Wed., at 4.30 Asst. Professor FOOTE
- E4 ²/₂hf Pastoral Care *Half-course (second half-year)* Tu, Sat, at 9. Professor HODGES
- E5 Preaching. Juniors and Middlers by appointment Seniors, Wed, at 5.30, Th, at 9 Professor HODGES.
- [7 ²/₂hf Hymns and Hymn Writers of the Christian Church. *Half-course (second half-year)* Tu., Th, Sat, at 11. Asst. Professor FOOTE.]
Omitted in 1917-18.
- E2 ²/₂hf. The Homiletical Use of the English Bible *Half-course (second half-year)*. Tu, Th, Sat, at 11. Professor HODGES
- E3 ¹/₂hf The History and Use of the Book of Common Prayer *Half-course (first half-year)*. Tu, Sat, at 9 Professor HODGES.
- 8 hf An Introduction to the Literature of Devotion *Half-course. One afternoon or evening a week, two hours.* Asst Professor FOOTE.
- 9 hf. The History of Worship. *Half-course. One afternoon a week. Two hours.* Asst Professor FOOTE.
- [10 ²/₂hf. Principles and Methods of Religious Education. *Half-course (second half-year)* Fri, 2.30-4.30 Asst. Professor HOLMES]
Omitted in 1917-18.
- A11 The History and Development of Church Music *Hours to be arranged* Dr. DAVISON
- A12 hf. The Conduct of Church Music *Half-course.* Dr DAVISON.
- [A13 Hymn Tunes and their History. *Monday, at 7 P.M* Dr. DAVISON]
Omitted in 1917-18
- E. Choral Singing 1 *Once a week, at an hour to be arranged.* Mr. APPEL.

- E. Choral Singing 2* *Once a week, by arrangement.* Mr. APPEL.
- E. Choral Singing 3* *Masterpieces of Sacred Music. Once a week, by arrangement* Mr APPEL.
- E. Organ Playing* *By appointment* Mr. APPEL

ALLIED COURSES

The attention of students interested in Religious Education is called to the courses in the subject offered by the Boston University School of Theology at 72 Mt Vernon St , Boston, which are available for properly qualified students in the Harvard Divinity School. For detailed information concerning them apply to the Secretary of the Divinity Faculty, or to Dean BIRNEY of Boston University School of Theology, 72 Mt Vernon St , Boston.

PUBLIC SPEAKING

1. Training in Voice and Speech. — Preparatory to Course 2. *Once a week.* Associate Professor WINTER and an assistant
- 2 *hf* Sermon Delivery, Scripture Reading, Oral Discussion. *Half-course throughout the year At hours to be arranged.* Associate Professor WINTER and an assistant

The training in Course 1 is implied in the requirements of Course 2, and is, as a rule, to be taken before or with Course 2 — preferably before.

- E1.* Fundamentals of Speaking and Reading. *One hour a week, and special appointments* Associate Professor WINTER, assisted by Mr. APPEL
- E2* Sermon Delivery and Scripture Reading. *Prescribed, as a rule, for Middlers and Seniors. One hour a week, and special appointments.* Associate Professor WINTER, assisted by Mr. APPEL

CHAPEL SERVICES

Evening Prayers each week-day except Saturday.

Morning Prayers conducted by the Preachers to the University are held in Appleton Chapel each week-day during the term at 8.45, and the University Preaching Service is held each Sunday during the academic year at 11 A.M.

INSTRUCTION IN OTHER DEPARTMENTS OF THE
UNIVERSITY

Students of the Divinity School are entitled to attend any exercises in the College, or other departments of the University, or in Andover Theological Seminary, or in the Episcopal Theological School, for which they show themselves fitted, except exercises in laboratories. For students paying the full fee there is no extra charge.

The Hemenway Gymnasium is open to members of this School, without extra charge.

THE LIBRARY

The Library of the Harvard Divinity School, consisting of about 42,700 volumes, and that of the Andover Theological Seminary, consisting of about 66,625 volumes, which are now housed together in the new Andover building, are classified and administered jointly, so as to constitute a single professional library, known as the Andover-Harvard Theological Library. Under reasonable regulations, direct access to the stacks will be granted to the students of both institutions.

The students of the Divinity School also have the right to use the College Library, which contains about 713,000 volumes and is rich in theological literature, and the library of the Episcopal Theological School, containing about 18,000 volumes.

DEGREES

DEGREE OF BACHELOR OF THEOLOGY

To be admitted as a candidate for the Degree of Bachelor of Theology a student must be a graduate of an approved college. He must present, with evidence of graduation, a certified record of his studies, and testimonials of character.

The conditions on which the degree is conferred are. —

1. The completion of three years of theological study.*
2. The passing of satisfactory examinations in the following subjects: —
 - (a) The Religion of Israel, with Judaism to the second century A. D.
 - (b) Early Christianity, as it appears in the New Testament and the writings of the subapostolic age, with the contemporary religious conditions in the Greek and Roman world.
 - (c) The History of Christianity, particularly the history of thought, and of the religious life, corporate and individual.
 - (d) The History of Religions, especially the religions of civilized peoples.

* A student who enters the School at the beginning of the second half-year may, by special vote of the Faculty after two years of residence, be allowed to present himself for the Bachelor's examination at the end of two and one-half years of residence.

(e) Systematic Theology

(f) The Work of the Minister, including Social Ethics

In these examinations the candidate will be expected to show that he possesses an adequate knowledge of the fundamental branches of theological study and the ability to apply his knowledge

- 3 Satisfactory examinations in whatever other studies have been pursued as part of the candidate's professional education, whether more advanced studies in the fields specified above or studies in other subjects To this end each student will present at the beginning of his last half-year a detailed account of his studies, including the courses he has elected and his reading in connection with them

The examinations for the degree will be held at the end of the third year, and will be partly in writing, partly oral Candidates who have fulfilled with distinction the requirements for the degree may be recommended for the degree *cum laude*

Students in Andover Seminary recommended for its degree may at the same time, and without additional work, also obtain from Harvard University the degree of S T B on the conditions prescribed above and by recommendation of the Faculty of Divinity Such students must have completed under Harvard teachers not less than five courses approved by the Faculty of Divinity, including the equivalent of at least three full Divinity School courses.

DEGREE OF MASTER OF THEOLOGY

To be admitted as a candidate for the degree of Master of Theology a student must present the same testimonials of character as are required for the degree of Bachelor of Theology, must be a graduate of an approved college, and of a theological school having a three years' course of study, or give evidence, by examination or otherwise, of equivalent attainment. Knowledge of Greek and Latin is required, except in the case of candidates in Practical Theology, from whom proficiency in modern languages may be accepted instead Every candidate's ability to make effective use of German and such other modern languages as may be necessary in the special field of his studies will be determined by his Faculty adviser within the first two weeks of the term

The requirements for the degree can ordinarily be fulfilled by one year wholly devoted to advanced theological study, but candidates whose preparation for the studies they propose to undertake proves to be insufficient, or who for any reason are unable to give all their time to their studies, may need a proportionally longer period

A candidate's studies must fall primarily in one of the main fields of theological study, but may include subsidiary studies in other fields. The plan of study must be coherent, and the studies comprised in it of advanced grade, ordinarily including one research, or seminary, course, and must be approved beforehand by the Faculty as affording proper preparation for the degree. Each candidate will be under the direction of a member of the Faculty in the department in which his work principally lies. In courses in which a mid-year examination is held, the candidate will be expected to pass this with high credit.

The examination for the degree will be in the subjects of the candidate's studies, rather than in the particular courses he has heard, and will include, beside such written tests as may be prescribed in each case, an oral examination before the Faculty or a committee appointed for the purpose.

DEGREE OF DOCTOR OF THEOLOGY

The degree of Doctor of Theology certifies that, in the judgment of the Faculty, the recipient is competent to give instruction in a university or theological seminary in the subject in which he has taken his degree.

To be admitted as a candidate for the degree of Doctor of Theology a student must present the same testimonials of character which are required for the degree of Bachelor of Theology, he must be a graduate of an approved college and of a theological school having a three years' course of study, and must offer evidence of high scholarship in both. The Faculty will satisfy itself by examination or otherwise that the candidate has a broad and thorough knowledge of the fundamental theological disciplines as they are defined in the requirements for the degree of Bachelor of Theology. Knowledge of Greek is required of every candidate, and the ability to read Latin, German, and French freely. Students will not be registered as candidates in residence for this degree until they have satisfied the Committee on Higher Degrees that they are thus qualified to enter upon their studies.

A candidate's studies must fall in one of the main fields of theological study; namely, the Old and New Testaments; the History of Christianity; and Christian Theology, with the History and Philosophy of Religion. His plan of study must be approved by the Faculty as affording suitable preparation for the degree.

For the degree of Doctor of Theology not less than two years of residence is required after admission to candidacy. This period must be devoted entirely to advanced study under the direction of the Faculty. In the discretion of the Faculty a candidate may be permitted to pursue his studies for a part of this time at another university, in this country or abroad, but at least one full year must be spent here.

The period of residence and study named above is the statutory minimum, short of which no candidate will be allowed to come up for examination. Otherwise, the term of residence has nothing to do with the conferring of the degree, which is given only upon evidence of high attainment in a special field of study, determined by examinations, and by a thesis which shows the candidate's ability to pursue independent research or to deal constructively with theological questions.

The subject of the thesis must be approved, at the latest, at the beginning of the candidate's last year of residence; and the thesis must be submitted complete on or before May 1. The general examinations may, if the Faculty so appoint, be held before the submission of the thesis, the special examination will follow its acceptance.

DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

In special cases students in the Divinity School may, with the approval of the Faculty and of the Graduate School, become candidates for the degree of Master of Arts and of Doctor of Philosophy. These degrees are not administered by the Faculty of Divinity. The requirements for candidacy and the conditions on which the degrees are conferred will be found in the announcement of the Graduate School of Arts and Sciences, and students proposing to become candidates for either of these degrees should consult the Dean of that School. A candidate for either of these degrees cannot at the same time be registered as a candidate for a degree in Theology.

Students in the affiliated schools may obtain the degree of A. M. or Ph. D. from Harvard University on recommendation of the Faculty of Arts and Sciences under the same conditions as are required of students in Harvard Divinity School.

The Harvard statutory requirement for every degree, of "residence at the University of at least one year," can be fulfilled while the student is also at the same time in residence in an affiliated school.

PRIZES

The BILLINGS PRIZE. By a gift to the Divinity School from the Trustees of the Robert C. Billings Estate a prize is offered annually for Improvement in Pulpit Delivery. The prize offered is \$100. It may be divided, and if no competitor shows sufficient merit may be withheld. The competition will take place annually in May. This prize is open to all students in the Divinity School who during the current year shall have taken either Public Speaking 1 or Public Speaking 2.

Students in the Divinity School may compete for the Dante, Sumner, and Toppan Prizes of the University (see pp. 243 and 292-293).

SCHOLARSHIPS AND OTHER PECUNIARY AID

With the exception of the Kimball Scholarship, which is restricted to the use of students preparing for the Unitarian ministry, and the Williams Fund, the beneficiaries of which must always be Protestants, the pecuniary aid furnished by the School is given without regard to denominational differences

No person may receive aid unless he can show a record in his previous studies which would be represented by a grade of at least eighty per cent, and by his character, and in other respects, gives promise of usefulness and unless he can give evidence that he needs such help. Holders of scholarships are required to have the approval of the Faculty before engaging in any regular remunerative employment

A student receiving beneficiary aid is required to do full work continued through the final examinations. If he fails to register or otherwise report on the day appointed for registration he will be considered to have surrendered his scholarship. If at any time he fails to do full work, or if the character of his work falls below the required standard, the aid which he would otherwise receive may be withdrawn for the remainder of the year. If he leaves the School before the close of the year he will, unless excused by the Faculty, be called upon to refund the money for that year which he has already received

Applications for the Williams Fellowships, for scholarships, or for other pecuniary aid, must be made upon blanks to be obtained from the Secretary of the Faculty; they must be accompanied by testimonials, and applicants for the Williams Fellowships must also submit specimens of their work. Applications should be sent to the Secretary of the Faculty, and if received by him not later than *March 31* will be considered in the first assignment, but applications received after that date will be considered, and acted on as promptly as possible

The income of the funds named below is assigned for beneficiary purposes upon recommendation of the Faculty

1. The following funds held by the President and Fellows of Harvard College —

The CHAPMAN FUND, founded by the Rev. George Chapman, with an income of about one hundred and fifty dollars

The CARY FUND, founded by Thomas Cary, Esq., with an income of about two hundred and seventy-five dollars

The JACKSON FOUNDATION, founded by Miss Sarah Jackson, with an income of about seven hundred and fifty dollars.

The CLAPP FUND, founded by Joshua Clapp, Esq., with an income of about two hundred and twenty-five dollars.

The **NANCY KENDALL FUND**, founded on the donation of Miss Nancy Kendall, with an income of about one hundred and seventy-five dollars

The **JONAS H. KENDALL FUND**, founded by Jonas H. Kendall, Esq., with an income of about two hundred and eighty dollars

The **BUTTRICK FUND**, founded by Abner W. Buttrick, Esq., with an income of about six hundred and fifty dollars

The **WILLIAM POMROY FUND**, of which the income amounts to about fifty dollars

The **KIMBALL FUND**, founded by the Rev. John C. Kimball, with an income of about twenty dollars

2 The Fund held by The Trustees of the **CHARITY OF EDWARD HOPKINS**. From a portion of the income of this fund, scholarships are awarded to six students, needing aid, who must have received the degree of A. B., who have given evidence of diligent and successful study, and who receive no money or remuneration for services from the University.

3. The **WILLIAMS FUND** held by The Society for Promoting Theological Education. According to the terms of the bequest, the income is to be given to "such indigent students of Theology, resident in Cambridge, as shall be preparing themselves for the ministry, and shall be deemed most meritorious and worthy of assistance", and "no student shall be debarred of this charity by reason of not having had a degree at a college, or being educated at any other college, or entertaining any peculiar modes of faith, it being always understood that he must be a Protestant" The income of the Williams Fund amounts to about four thousand dollars

From the income of the above funds fellowships and scholarships are awarded as follows:—

1 **WILLIAMS FELLOWSHIPS** At present two resident Williams Fellowships are offered, in competition, to candidates for the degree of Master of Theology or of Doctor of Theology, and by vote of the Faculty for special reasons to candidates for the degree of Doctor of Philosophy, who purpose to enter the Christian ministry. These Fellowships are intended to encourage advanced theological work of a high order, and will be awarded only to candidates who give satisfactory evidence of capacity for such work by previous academic record and the excellence of the required written work. For the year 1917-18 these Fellowships will be of five hundred dollars each.

2 **FOUNDERS' SCHOLARSHIPS**. To students who have been at least one year in the School and have given evidence of superior ability and attainments, four scholarships are offered of four hundred and fifty dollars each.

3. **SIX HOPKINS SCHOLARSHIPS**. The value of these scholarships depends on the income of the fund in each year, but may be estimated at about three hundred and forty dollars.

4. Scholarships granted in various amounts from the income of the several scholarship funds held by the President and Fellows, and the Williams Fund, in awards dependent upon grades attained

Fellowships and Scholarships available in other Departments of the University as well as in the Divinity School

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS AND SCHOLARSHIPS *The income of this Fund is available for holders of any degree from Harvard University* For further particulars, see page 294

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP, with an income at present of eleven hundred and twenty-five dollars Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-five thousand dollars in memory of VICTOR EMANUEL CHAPMAN, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while a member of the Flying Corps of the French Army This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University For further particulars, see page 298.

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP, with an income of four hundred dollars, "to be offered each year to a graduate of an Iowa College or University, in any of the graduate or professional departments of Harvard University." The terms of gift are quoted further on page 268

THE PRINCETON FELLOWSHIP, with a stipend of four hundred and fifty dollars From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

THE JAMES A. RUMRILL SCHOLARSHIP; with an income at present of two hundred and twenty-five dollars Founded in 1909 by Mrs JAMES A RUMRILL, in memory of her husband, JAMES AUGUSTUS RUMRILL, of Springfield, Mass., of the Class of 1859. The terms of gift are quoted further on page 314.

FEEES AND EXPENSES

The annual fee for tuition is one hundred and fifty dollars, but for Resident Graduates and Unclassified Students taking less than three and a half courses the fee may vary according to the number of courses taken; the charge for each full course being \$45, and for each half-course \$25, the minimum charge to any student being \$30, and the maximum \$150 The fee of \$150 is charged to every student who wishes to have the year counted as a year of residence for any degree. A Resident Graduate or Unclassified Student paying for less than three and a half courses must

pay the entire fee for such courses as he takes, without deduction for absence or withdrawal. Other students who are members of the Divinity School for but part of a year are allowed the following deductions from the full fee of one hundred and fifty dollars. A student who joins between December 31 and the end of the first half-year is allowed a *deduction* of forty dollars, one who enters between the beginning of the second half-year and April 1 is allowed a deduction of sixty dollars; and one who enters after March 31 is allowed a deduction of one hundred dollars. A student who leaves before January 1 is allowed a deduction of one hundred dollars, if he gives written notice of his withdrawal before that date to the Dean of the Faculty, one who leaves between December 31 and the end of the first half-year is allowed a deduction of sixty dollars, if he gives written notice to the Dean before the end of the first half-year, and one who leaves between the end of the first half-year and April 1 is allowed a deduction of forty dollars, if he gives written notice to the Dean before April 1, but if he fails to give written notice of withdrawal no deduction is allowed.

The first half-year ends on the Saturday before the second Sunday in February.

A fee of four dollars a year is charged to every student registered in the Divinity School, for the maintenance of the Stillman Infirmary, and, on the order of a physician, every student will be given, in case of sickness, in return for this fee, a bed in a ward, board, and ordinary nursing, for a period not exceeding two weeks in any one academic year. Married students who wish to forego the benefit of the Infirmary may be exempted from the Infirmary fee by signing a book kept at the Bursar's office for that purpose, at the beginning of each academic year.

An examination fee of thirty dollars is charged Divinity students taking the degree of Ph D unless they have paid the full tuition fee of one hundred and fifty dollars, for at least one year, in the Divinity School or other graduate department of the University. A graduation fee of twenty dollars is charged all students taking the degree of S.T.M., Th D., A.M., or Ph D.

Every student must file a bond with the Bursar in the sum of *two hundred dollars*, signed by two bondsmen, one of whom must be a citizen of the United States, or by a surety company duly qualified to do business in Massachusetts, as security for the payment of his dues to the University; or he may deposit with the Bursar *two hundred dollars* in United States bonds for the same purpose; or he may deposit *fifty dollars* as security and pay in advance all sums for which he becomes liable to the University. But any student who lives in a College room, or boards at the Union or at Foxcroft Hall, must file a bond in the sum of *four hundred dollars*; or deposit *four hundred dollars* in money or United States Bonds; or must in advance, and in addition to his tuition fee, pay the full year's rent of any

room that may be assigned to him, and make a deposit with the Bursar as security for the payment of his board. In the case of the Union the deposit for board may be made each week at the rate of \$6 75, or it may be made less frequently in multiples of that figure. In the case of Foxcroft Hall, the deposit made in sums of *five dollars* or multiples thereof, must be such as to maintain constantly in the Bursar's hands a balance in excess of *ten dollars*. Money deposited as security is returnable after the issue of the second term-bill, one week before Commencement. Interest is not allowed on deposits.

No officer or student of the University will be accepted as a bondsman.

Students taking courses in both Harvard University and in either Andover Theological Seminary or the Episcopal Theological School are required to furnish security only to the institution in which they are primarily registered.

PAYMENT OF THE TUITION FEE.—TERM-BILLS

Each student, except such Resident Graduates and Unclassified Students as are taking less than three and a half courses, is required to pay ninety dollars of the tuition fee and the Infirmary fee of four dollars to the Bursar punctually at the beginning of the academic year without the presentation of a bill. The second instalment, of sixty dollars, is entered upon the first term-bill, issued January 20, and is to be paid on or before February 10.

In like manner Resident Graduates and Unclassified Students who are liable for less than the full tuition fee of one hundred and fifty dollars are required to pay at the beginning of the academic year, in addition to the Infirmary fee, ninety dollars, or the whole fee if it does not exceed ninety dollars; and the remainder of the fee, if any, on or before February 10.

The first term-bill is issued January 20, and must be paid on or before February 10. This bill includes, in addition to the second instalment of the tuition fee, such charges as the following: Two-thirds of the year's charges for the use of a College room; fees for laboratory courses which begin in the first half-year; locker fees, such incidental charges as can then be determined, charges for gas, and for board at the Union and at Foxcroft Hall made up to as late a date as practicable.

The second term-bill is issued one week before Commencement, and contains the charges not included in the first bill. The second term-bill must be paid by all candidates for degrees at least one day before Commencement; and, by all other students, on or before July 20.

Students primarily registered in Andover Theological Seminary or in the Episcopal Theological School pay exclusively to the Treasurer of the institution in which they are primarily registered the charges incurred in

Harvard University, including those for tuition, board in the Union or Foxcroft Hall, and rooms in University dormitories

Students who are candidates for degrees in the middle of the academic year must pay all dues to the University at least one day before the day upon which the degrees are to be voted

When a student's connection with the University is severed, all charges against him must be paid at once

Each student whose dues to the University remain unpaid on the day fixed for their payment is required at once to cease attending lectures or recitations, using the libraries, laboratories, gymnasium, athletic grounds or buildings, boarding at the Union or at Foxcroft Hall, and making use of any other privileges as a student, until his financial relations with the University have been arranged satisfactorily to the Bursar Failure to comply with this rule is deemed cause for final separation of the student from the University

The average expenses of a student for a year, exclusive of personal expenses, are —

For rent and care of room	\$90 00
For tuition	150 00
For board, 38 weeks	210 00
For Stullman Infirmary	4 00
	<hr/>
	\$454 00

Students can board at cost by joining the Association which uses the dining-room of the Union The cost of board here is expected not to exceed \$6.25 a week The membership is limited, and application should be made before September 15 to the Auditor, Memorial Hall

At Foxcroft Hall meals *à la carte* are served at cost, making it possible to get good board for \$5 00 a week The annual fees of the Association are low Application should be made early to the Auditor, Foxcroft Hall For notice in full, see "Dining Halls," page 154.

Divinity Hall, the dormitory of the Divinity School, contains 39 rooms These rooms are primarily reserved for students of the Divinity School, and will not be assigned to other students until the beginning of the academic year, when rooms not previously engaged will be assigned to members of other departments who have filed with the Bursar applications which have been duly approved by the Secretary of the Faculty of the Divinity School, to whom, however, is reserved the right of discriminating among applicants as the interests of the School may dictate

Most of the rooms in Divinity Hall are furnished, the furniture consisting of: iron bedstead, with spring, mattress, and pillow, washstand, chiffon-

nier; study table; chairs, book shelves. The rental includes the use of the furniture. Should the School furnish any of the rooms listed below as unfurnished, the rent will be increased by \$10. In each case the price is for the whole room from the beginning of the academic year until the next Commencement, and includes the daily care of the room. All the rooms in the hall are lighted by electricity and heated by steam. The rental includes the charge for heating, but not for lighting.

The rooms range in price as follows —

\$55	No 2*.	\$100	Nos. 16*, 18, 26, 28, 32,
\$75.	" 6, 10.		35*, 40, 42.
\$80	" 4, 5, 9, 12, 14*	\$105.	" 17*, 23*, 37*, 39*.
\$85	" 3, 11, 13*.	\$110	" 21, 27, 30, 41
\$90	" 1	\$115	" 19, 25, 29, 31, 33
\$95	" 7, 20, 24, 34, 38		

* Unfurnished.

Applications for rooms should be made as early as possible after April 1, in order that a choice may be secured

The Bursar may cancel the assignment of a room to any student who does not take possession of it on or before September 24.

Further information will be furnished, if desired, on application to the Secretary of the Harvard Divinity School

LAW SCHOOL

The Law School was established in 1817, and is the oldest of the law schools now existing in the United States.

The School now occupies two buildings, — AUSTIN HALL, finished in 1888, and LANGDELL HALL, completed in 1907

THE FACULTY OF LAW

ABBOTT LAWRENCE LOWELL, A B, LL B, LL D, Ph D, PRESIDENT.

ROSCOE POUND, Ph D, LL M, LL D., D C L, DEAN, and *Carter Professor of General Jurisprudence*

*EUGENE WAMBAUGH, A M, LL B, LL D, *Langdell Professor of Law*

JOSEPH HENRY BEALE, A M., LL B, LL D, *Royall Professor of Law.*

SAMUEL WILLISTON, A M, LL.B, LL.D, *Weld Professor of Law*

HENRY MOORE BATES, Ph B, LL.B, *Professor of Law*

*ARTEUR DEHON HILL, LL B, *Professor of Law*

JENS IVERSON WESTENGARD, LL B, A M, *Bemis Professor of International Law*

EDWARD HENRY WARREN, A.M, LL B, *Story Professor of Law.*

JOSEPH WARREN, A B., LL B, *Professor of Law.*

*FELIX FRANKFURTER, A.B, LL B, *Professor of Law*

AUSTIN WAKEMAN SCOTT, A B., LL B, *Professor of Law*

ZECHARIAH CHAFEE, Jr., A B, LL.B., *Assistant Professor of Law*

BANCROFT GHERARDI DAVIS, A M, LL.B., *Lecturer on Mining Law.*

LUCIUS WARD BANNISTER, A.B, LL B., *Lecturer on Water Rights*

SYDNEY RUSSELL WRIGHTINGTON, A.B., LL B. *Lecturer on Massachusetts Practice.*

FRANCIS BOWES SAYRE, A.B., LL B, *Ezra Ripley Thayer Teaching Fellow.*

IRVAH LESTER WINTER, A.B, *Associate Professor of Public Speaking.*

CURTIS WORTH CHENOWETH, A.M, *Instructor in Public Speaking.*

EDWARD BRINLEY ADAMS, A.B., LL.B., *Librarian.*

ROBERT BOWIE ANDERSON, *Assistant Librarian.*

JOHN CHARLES DRISCOLL, *Assistant in the Library.*

RICHARD AMES, A.B., LL.B, *Secretary.*

* On leave of absence for the year 1917-18.

ADMISSION OF STUDENTS

The following persons will be admitted without examination as candidates for the degree of Bachelor of Laws —

1. Graduates of colleges of high grade * upon producing their diplomas.
2. Graduates of other colleges of approved standing upon producing their diplomas together with an official certificate that they ranked in the first third of the class on the work of the Senior year

. SPECIAL STUDENTS

1. Graduates of approved law schools having a three-year course for their degree will be admitted as Special Students without examination

2. Persons not otherwise eligible for admission to the School, but who have attained the age of twenty-one years, will, in rare instances, be admitted as Special Students by special vote of the Faculty. Those who wish to enter by such a vote should make application to the Secretary not later than the first day of May, stating the circumstances which prevented them from receiving a college education, and giving their age, their previous mental training, their occupation, if any, and the names of two persons familiar with their character, ability, and attainments. Those applicants whose record seems to the Faculty sufficiently promising will be admitted to the School upon passing, in September, satisfactory examinations in Blackstone, in the translation from standard Latin and French prose authors, and in the rendering of passages of easy English prose into Latin and French.

Persons admitted as Special Students are not eligible for a degree

ADVANCED STANDING

Any person who, *after becoming entitled to enter this School as a regular student*,† has been in regular attendance for at least one academic year of not less than eight months at another law school qualified to be a member of the Association of American Law Schools, will be admitted to the second-year class upon passing satisfactorily, in June, the annual examinations in the studies of the first year. This examination will require a thorough knowledge of the following books. *Warren's Cases on Property*; *Williston's Cases on Contracts*, Ames and Smith's *Cases on Torts* (Pound's ed.), *Beale's Cases on Criminal Law* (3d ed.), *Beale's Cases on Legal Liability*; *Scott's Cases on Civil Procedure*

* The list of selected colleges, which appeared some years ago, has been revised, but will not be published hereafter. Graduates who wish to know whether their college is on the revised list are advised to communicate with the Secretary of the Law Faculty

† Law work pursued before graduation from college will not be counted in any way toward advanced standing

PROGRAMME OF INSTRUCTION

The design of this School is to afford such a training in the fundamental principles of English and American Law as will constitute the best preparation for the practice of the profession in any place where that system of law prevails. With this view, the programme of study, which is designed to occupy the student three full years, will comprise the following subjects. —

FIRST YEAR

- Civil Procedure at Common Law. Professor SCOTT *Two hours a week.*
Scott's Cases on Civil Procedure
- Contracts Professor WILLISTON *Three hours a week* *Williston's Cases on Contracts.*
- Criminal Law Professor BEALE *Three hours a week in the second half-year*
Beale's Cases on Criminal Law (3d ed.)
- Principles of Liability Professor BEALE *Three hours a week in the first half-year* *Beale's Cases on Legal Liability*
- Property Professor EDWARD H. WARREN *Two hours a week* *Warren's Cases on Property*
- Torts Professor POUND and Professor WESTENGARD *Two hours a week.*
Ames and Smith's Cases on Torts (Pound's ed.).

SECOND YEAR

- Agency Professor JOSEPH WARREN *Two hours a week* *Wambaugh's Cases on Agency.*
- Bills of Exchange and Promissory Notes Assistant Professor CHAFEE. *Two hours a week* *Ames's Cases on Bills and Notes, and Brannan's Negotiable Instruments Law* (2d ed.)
- Equity. Professor POUND. *Two hours a week* *Ames's Cases on Equity Jurisdiction*, vol. 1.
- Evidence. Professor EDWARD H. WARREN. *Two hours a week* *Thayer's Cases on Evidence* (2d ed.)
- Insurance — Marine, Fire, and Life Assistant Professor CHAFEE *Two hours a week* *Wambaugh's Cases on Insurance*
- Property. Professor JOSEPH WARREN *Two hours a week.* *Gray's Cases on Property* (2d ed.), vol. 3, *Warren's Cases on Wills and Administration.*
- Public Utilities, Professor POUND *Two hours a week* *Beale's Cases on Carriers* (2d ed.), *Wyman's Cases on Public Service Companies* (2d ed.); *Frankfurter's Cases under the Interstate Commerce Act*
- Sales of Personal Property Professor WILLISTON. *Two hours a week.*
Williston's Cases on Sales (2d ed.)

- Trusts. Professor SCOTT *Two hours a week* Ames's *Cases on Trusts* (2d ed.); Scott's *Cases on Resulting and Constructive Trusts*
- Damages. Professor BEALE. *Two hours a week in the second half-year* Beale's *Cases on Damages* (2d ed.)
- Law of Persons. Professor JOSEPH WARREN. *Two hours a week in the first half-year* Smith's *Cases on Persons*

THIRD YEAR

- Conflict of Laws Professor BEALE *Two hours a week* Beale's *Cases on the Conflict of Laws*.
- Constitutional Law Professor BATES *Two hours a week*. Wambaugh's *Cases on Constitutional Law*
- Corporations. Professor EDWARD H WARREN *Two hours a week*. Warren's *Cases on Private Corporations* (2d ed.).
- Equity. Assistant Professor CHAFEE *Two hours a week* Ames's *Cases on Equity Jurisdiction*, vol 1 (concluded) and vol 2; Pound's *Cases on Equitable Relief against Defamation and Injuries to Personality*.
- Partnership Professor BATES *Two hours a week* Ames's *Cases on Partnership*
- Property. Professor WESTENGARD *Two hours a week*. Gray's *Cases on Property*, vols. 5, 6
- Suretyship and Mortgage Professor SCOTT. *Two hours a week*. Ames's *Cases on Suretyship*; Wyman's *Cases on Mortgages* (revised edition).
- Admiralty. Professor WESTENGARD *Two hours a week in the first half-year* Ames's *Cases on Admiralty*.
- Bankruptcy. Professor WILLISTON. *Two hours a week in the first half-year*. Williston's *Cases on Bankruptcy* (with supplement)
- Contracts and Combinations in Restraint of Trade. Professor BATES *Two hours a week in the second half-year*. Kales's *Cases on Contracts and Combinations in Restraint of Trade*
- [Jurisdiction and Procedure of Federal Courts. *Two hours a week in the second half-year*]
- Omitted in 1917-18.
- Municipal Corporations Professor BEALE *Two hours a week in the first half-year*. Beale's *Cases on Municipal Corporations*.
- Quasi-Contracts Professor JOSEPH WARREN *Two hours a week in the second half-year*

In addition to the foregoing third-year subjects, third-year students may elect any second-year subjects which they have not taken in their second year, and, with the consent of the instructor, one graduate course.

GRADUATE COURSES

International Law as administered by the Courts Professor WESTENGARD.

Two hours a week Scott's *Cases on International Law*

Jurisprudence Theory of Law and Legislation, the Province of the Written and Unwritten Law, Problems of Law Reform in America.

Professor POUND *Two hours a week*

Roman Law, and the Principles of the Civil Law and Modern Codes as developments thereof — an introduction to Comparative Law Professor POUND *Two hours a week* Pound's *Readings in Roman Law* (2d ed.)

[Administrative Law *Two hours a week in the second half-year.*]

Omitted in 1917-18

History of the Common Law Professor JOSEPH WARREN. *Two hours a week in the second half-year*

International Law Problems of the European War Professor WESTENGARD. *Two hours a week in the second half-year* No text-book (Open only to students who take or have taken the course in "International Law as administered by the Courts")

[Introduction to the Year Books *Ten lectures in the second half-year.* No text-book]

Omitted in 1917-18

Modern Developments in Procedural Law Professor SCOTT *Two hours a week in the first half-year*

[Penal Legislation and Administration *Two hours a week in the first half-year*]

Omitted in 1917-18

Private International Law (advanced course). Practice in the Investigation and Teaching of Special Topics Professor BEALE. *Two hours a week in the second half-year.*

Candidates for the degree of Doctor of Law may elect any subject in the second and third years which they have not already taken, but they will be required to include among their electives the course in Roman Law and the Principles of the Civil Law, and also other graduate courses aggregating at least two hours a week.

EXTRA COURSES

[Patent Law. *One hour a week.*]

Omitted in 1917-18.

Law of Mining and Water Rights Mr DAVIS and Mr. BANNISTER.

Massachusetts Practice Mr WRIGHTINGTON

[New York Practice *Not less than thirty hours*]

Omitted in 1917-18.

[Brief Making and Preparation of Cases. *Twelve lectures*]

Omitted in 1917-18

[Professional Ethics *Twelve lectures*]

Omitted in 1917-18

Forensic Discussion Associate Professor WINTER *Not less than twenty hours for each section*

Voice Training Mr CHENOWETH *Not less than twenty hours for each section.*

No examination will be held in the extra courses, and they will not count towards a degree

Every candidate for the degree of Bachelor of Laws will be required to take all the subjects of the first year, twelve hours a week in the second year, and twelve hours a week in the third year.

No student may be examined in any one year in more than six full courses or the equivalent, without special permission of the Faculty, except that a student at the end of his second or third year may also be examined in one course in which he has failed to pass With this exception a course taken to remove a condition will be counted as one of the six

INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY

The instruction given in the other departments of the University, with the exception of exercises carried on in the special laboratories, is also open, without additional charge, to students of the Law School Those who wish to avail themselves of these privileges must procure from the Dean a certificate of membership in the School.

The Hemenway Gymnasium is open to members of this School, without extra charge. Each student is entitled to a thorough personal examination by the Director and to special direction and advice as to the form and amount of physical exercise best suited to his case

LIBRARIES

The School has two Libraries, one in Langdell Hall and the other in Austin Hall. Each contains all the American, English, and Irish Reports, as well as all the important English and American law treatises The larger collection of books is in Langdell Hall, which contains, besides the above mentioned, a complete set of Scotch Reports, all of the English Colonial Reports, and an almost complete collection of the statutes of America and Great

Britain from the earliest period. Several sets of the most important English and American reports will be found in each Library. In Langdell Hall there are also upwards of 45,000 volumes of the Continental Law of Europe; a collection of trials, civil and criminal, remarkable in extent; a very full collection of legal periodicals. Recent acquisitions of great importance are the Olivart Collection of International Law, about 14,000 volumes, the Dunn Library, consisting of nearly 400 volumes of very early printed books and manuscripts, and a pretty full collection of the laws and decisions of the South American republics. The two Libraries contain over 170,000 volumes, and are liberally administered in the interest of the students. The average expenditures for books and binding during the past five years have been over \$24,000. Students in the Law School have the right to use the College Library.

DEGREES

DEGREE OF BACHELOR OF LAWS

The requirements for the degree of BACHELOR OF LAWS in point of length of residence at the School and the passing of examinations are as follows —

AGE. At the time of receiving the degree a student must have attained the age of twenty-one years.

LENGTH OF RESIDENCE. The required period of residence at the School is three years. Students admitted to Advanced Standing after a year's residence at another law school may count that year as one of the three years.

EXAMINATIONS. To receive the degree of Bachelor of Laws it is necessary to pass satisfactory examinations on the entire course of three years. Students who pass these examinations with distinguished excellence will receive the degree of Bachelor of Laws, *cum laude*.

The right to take the examinations, as well as the privilege of continuing one's membership in the School at any time, is conditioned upon regular attendance at the exercises of the School.

The examinations in the studies of the first, second, and third years must be passed at the end of each year respectively. No examinations are held in any course in the autumn.

A student who fails to pass an examination in at least four subjects at the end of the first year, or who has more than two conditions standing against him at the end of the second year, will not be allowed, unless by a special vote of the Faculty, to continue in the School, or to rejoin it at any subsequent time, unless at some regular examination held within two years he remove the conditions and obtain a general average, on the entire work of the year in which he failed, at least five per cent higher than the usual passing mark.

No student who has more than one condition standing against him at the end of either the first or second year will be allowed to register with his class for the succeeding year, but if he has not more than two conditions standing against him he may continue in the School as an Unclassified Student.

No student who fails, on account of conditions, to receive his degree in due course, will be permitted, except by special vote of the Faculty, to remove his conditions later than two years after the graduation of his regular class.

Every person who, while a member of the School, shall pass a satisfactory examination in one or more subjects, will be entitled to a certificate, stating the length of time he has been a member of the School and specifying the subjects in which he has passed an examination

DEGREE OF DOCTOR OF LAW

LENGTH OF RESIDENCE. The degree is conferred upon graduates of the Harvard Law School upon one year's residence after receiving the Bachelor's degree, and upon graduates of other schools qualified to be members of the Association of American Law Schools upon one year's residence after receiving the Bachelor's degree.

PRIOR EDUCATION. To be admitted as candidate for the degree of Doctor of Law a student must be qualified to enter the Harvard Law School as a regular student, and must have completed the course for Bachelor of Laws with high rank. His college course and law course combined must have occupied not less than six calendar years.

EXAMINATIONS. To receive the degree of Doctor of Law it is necessary to pass with distinguished excellence examinations upon courses aggregating ten hours of lectures a week during the entire year, including the course in Roman Law and the Principles of the Civil Law, and also other graduate courses aggregating at least two hours of lectures a week.

SCHOLARSHIPS AND OTHER PECUNIARY AID

FACULTY SCHOLARSHIPS. A limited number of SCHOLARSHIPS, of the annual value of one hundred and fifty dollars each, are awarded to meritorious students standing in need of such assistance, who have been in the School one full year at least, and who intend to remain in the School for the full three years' course. Applications for these scholarships must be made in writing, to the Secretary, by *the first of June*. The award will be made by the Corporation, on the recommendation of the Faculty, at the beginning of each academic year, preference being given to members of the third-year class.

GEORGE FISHER SCHOLARSHIP. This scholarship was founded by the gift, in 1906, of three thousand five hundred dollars by Mrs SARAH C. FISHER WELLINGTON, in memory and in honor of her father, GEORGE FISHER. "The income of this gift, up to one hundred and fifty dollars, is to be given annually to a promising student of the School "

LANGDELL SCHOLARSHIPS By the will of Mrs C. C. LANGDELL the School has received \$25,000 to found two scholarships to be known as the "Langdell Scholarships and to be given only to worthy men of small means and of the highest rank and character."

SAMUEL PHILLIPS PRESCOTT FAY, 1798, FUND AND SCHOLARSHIP This Fund and Scholarship has been established in the School by an anonymous gift of \$5000 The income of this fund is to be applied each year, first, to the expense of preparing and issuing a diploma in memory of JONATHAN FAY, A B 1778, and A M., and of his son, SAMUEL PHILLIPS PRESCOTT FAY, A B. 1798, A.M. and Overseer, "to be given to the member of each graduating class of the Law School who, in the judgment of the Law Faculty, has during his three years by his scholarship, conduct and character given evidence of the greatest promise", secondly, for the benefit of "such student in the Law School as the Faculty of that School shall consider most worthy of assistance provided he shall have finished at least one full year's course and they are satisfied of his intention to complete the three-year course, but this provision shall not prevent this payment being made to a third-year student if deemed worthy as aforesaid "

This diploma and scholarship are restricted to citizens of the United States, but are to be open to women, if women are at any time admitted as students.

RESEARCH SCHOLARSHIP. This scholarship, with an income of two hundred and fifty dollars, offered by anonymous friends of the University to encourage research in problems of law reform, will be awarded to a graduate student who, in the opinion of the Faculty, gives promise of ability to do effective work in the investigation of such problems The student will be required to write a dissertation embodying the results of his study

THE ROBERT DARRAH JENKS SCHOLARSHIP Established in 1917 by Mrs ROBERT D. JENKS and Mrs WILLIAM FURNESS JENKS, in memory of ROBERT DARRAH JENKS, of the Class of 1897, the income to be used to support a scholarship in Railroad Law This Scholarship will not be available until the close of the war

JOHN FOSTER FUND. The income of the John Foster Fund, amounting to about one hundred and fifty dollars, is available in alternate years in the

Law School and in the Medical School, for one or more meritorious students needing assistance The next assignment in the Law School will be made in 1919.

HUGHES LOAN FUND In 1903, CHARLES JAMES HUGHES, Jr, of Denver, Colorado, gave five hundred dollars for any use approved by the Faculty of Law, on whose recommendation the Corporation voted that the gift "be used as a loan fund for the benefit of students in the Law School, and that it be called the Hughes Loan Fund" In 1906 Mr HUGHES added seven hundred and fifty dollars to the fund

JAMES COOLIDGE CARTER LOAN FUND. In 1906, Miss FRANCES A. L. HAVEN, of New York City, gave twelve thousand dollars, to establish, in memory of JAMES COOLIDGE CARTER, the Loan Fund of that name, "the income of which shall be loaned to students in the School who are in need of pecuniary assistance, and who, by reason of their character, physical constitution and intellectual ability, promise to become successful as lawyers and influential as citizens "

HARRY MILTON LEVY LOAN FUND. In 1908, HARRY MILTON LEVY, a former student in the School, gave five thousand dollars to the University to be used as a loan fund, one-half for the benefit of students in the College and one-half for the benefit of students in the Law School

*Fellowships and Scholarships available in other Departments of the
University as well as in the Law School*

Applications for all these Fellowships and Scholarships should be made before March first, to the Secretary of the Law School, Langdell Hall

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS AND SCHOLARSHIPS The income of this fund is available for holders of any degree from Harvard University.

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP, with an income at present of eleven hundred and twenty-five dollars Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-five thousand dollars in memory of VICTOR EMANUEL CHAPMAN, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while a member of the Flying Corps of the French Army. This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University For further particulars, see page 298

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP, with an income of four hundred dollars, "to be offered each year to a graduate of an Iowa College or University, in any of the graduate or professional departments of Harvard University"

THE JAMES A RUMRILL SCHOLARSHIP, with an income at present of two hundred and twenty-five dollars This scholarship . founded in 1909 by Mrs JAMES A RUMRILL, in memory of her husband, JAMES AUGUSTUS RUMRILL, of Springfield, Mass., of the Class of 1859, will be offered each year to a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee, or Kentucky.

THE PRINCETON FELLOWSHIP; with a stipend of four hundred and fifty dollars From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

THE WILLIAM STANISLAUS MURPHY SCHOLARSHIPS, two hundred and fifty dollars each Founded by WILLIAM STANISLAUS MURPHY, of the Class of 1885, to be used for the collegiate education of men of the name of Murphy who, in the judgment of the Faculty, prove deserving of this kind of encouragement These scholarships are available for students in any department of the University

THE SEARS PRIZES

In 1909 a gift was received from SARAH C SEARS to establish at the Law School, in memory of her son, JOSHUA MONTGOMERY SEARS, Jr., who was a graduate of the School, "prizes to be awarded annually to students in the School who shall have done the most brilliant work in their class during the year. The Faculty shall distribute the income of the fund in not exceeding four prizes in one or more or all of the classes as they deem best, and in making the distribution no regard shall be paid to the pecuniary means of the students who are to receive the same."

From this gift four prizes of \$375 each will be awarded annually

THE AMES PRIZE

In 1898, JULIAN W MACK, LL B., of the Class of 1887, gave three thousand dollars, afterwards adding six hundred and fifty dollars to his gift, to establish the James Barr Ames Prize Fund, "from the income of which a prize of not less than four hundred dollars shall be from time to time awarded for a meritorious essay or book on some legal subject."

The Ames Prize will be awarded at intervals of four years

It will consist of a bronze medal and a sum of not less than \$400.

It will be awarded for the most meritorious law book or legal essay written in the English language and published not less than one nor more than five years before the award.

The prize will be awarded by the Faculty of the Harvard Law School.

The prize was awarded in 1902 to JOHN HENRY WIGMORE, A B. 1883, LL.B 1887, LL D 1909, Dean of the Northwestern University Law School. The award for 1906 was made to FREDERIC WILLIAM MATTLAND, Downing Professor of the Laws of England in the University of Cambridge, England, for 1910 to JOHN WILLIAM SALMOND, Solicitor-General of New Zealand; and for 1914 to SAMUEL CHARLES WIEL, A B 1899, S M 1900, LL B 1903, of San Francisco

THAYER TEACHING FELLOWSHIP

In 1915 the sum of \$25,000 was given by Mrs EZRA RIPLEY THAYER in memory of her husband, the income of said fund to be used in payment of the salary of a teaching fellow in the Harvard Law School to be known as the Ezra Ripley Thayer Teaching Fellow. The fellowship will be awarded annually to a recent graduate of high standing who gives promise of becoming a legal scholar

ADDISON BROWN PRIZE

In 1914 a bequest of \$2500 was received from ADDISON BROWN to establish a prize fund, "the net income thereof to be awarded annually or biennially for the best essay by one of the students in the Law School on some designated subject of Maritime or Private International Law, under prescribed regulations" The subjects for 1917-18 and other information may be obtained from the Secretary of the Law School.

FEES AND EXPENSES

The tuition fee is one hundred and fifty dollars a year

A fee of four dollars a year is charged to every student in the Law School, for the maintenance of the Stillman Infirmary, and, on the order of a physician, every student will be given, in case of sickness, in return for this fee, a bed in a ward, board, and ordinary nursing for a period not exceeding two weeks in any one academic year. The patient pays his physician, and extra charges are made for private rooms and for special nurses. Married

students who wish to forego the benefit of the Infirmary may be exempted from the Infirmary fee by signing a book kept at the Bursar's office for that purpose, at the beginning of each academic year.

The other expenses of a student for an academic year may be estimated as follows. —

Rent and care of a furnished room	\$40 to \$150
Board for thirty-eight weeks	133 to 266
Fuel and lights	11 to 25
Text-books	25 to 35
	<hr/>
	\$209 to \$476

The University buildings contain over seven hundred rooms for student lodgings, of which upwards of two hundred are available in each year for new-comers. Detailed information concerning rooms may be obtained from the Bursar*. Application should be made early.

Board at cost can be obtained at the Union by members of the Law School. Friends can secure seats together. The cost of board is about \$6 25 a week. Applications for seats should be made before September 15 to the Auditor, Memorial Hall. Foxcroft Hall is open to law students. Meals *à la carte* are served at cost, making it possible to get good board for \$5.00 a week. Application should be made early to the Auditor of Foxcroft Hall.

Every student must file a bond with the Bursar in the sum of \$200, signed by two bondsmen, one of whom must be a citizen of the United States, or by a surety company duly qualified to do business in Massachusetts, as security for the payment of dues to the University, or, instead of filing a bond, he may deposit \$200 in United States bonds for the same purpose; or he may deposit fifty dollars as security and pay in advance all sums for which he becomes liable to the University. Money deposited as security is returnable after the issue of the second term-bill, one week before Commencement. Every student who lives in a College room or boards at the Union or at Foxcroft Hall must file the same bond as undergraduates (\$400), or pay rent for the year in advance, and make a deposit with the Bursar as security for the payment of his board. In the case of the Union the deposit for board may be made each week at the rate of \$6 75, or it may be made less frequently, in multiples of that figure. In the case of Foxcroft Hall, the deposit, made in sums of \$5 00 or multiples thereof, must be such as to maintain constantly in the Bursar's hands a balance in excess of ten dollars. All persons living in College rooms are subject to the regulations of the Parietal Committee, in the same manner as undergraduates.

* The Bursar's Office is in Dane Hall, Harvard Square, Cambridge. Hours, 9-1

No officer or student in the University is accepted as a bondsman

A student who is a member of the Law School for only a part of the academic year is allowed the following deductions from the full tuition fee of one hundred and fifty dollars. One who enters between December 31 and the end of the first half-year is allowed a deduction of forty dollars, one who enters between the end of the first half-year and April 1 is allowed a deduction of sixty dollars, and one who enters after March 31 is allowed a deduction of one hundred dollars. A student who leaves before January 1 is allowed a deduction of one hundred dollars if before that date he gives written notice of his withdrawal to the Dean or to the Secretary; one who leaves between December 31 and the end of the first half-year is allowed a deduction of sixty dollars if he gives written notice as above before the end of the first half-year, and one who leaves between the end of the first half-year and April 1 is allowed a deduction of forty dollars if he gives written notice before April 1, but no deduction is made unless notice of the withdrawal is given in writing.

The first half-year begins with the academic year and ends on the Saturday before the second Sunday in February. The first third of the academic year begins with the academic year and ends *December 31*. The second third begins *January 1* and ends *March 31*. The last third begins *April 1* and ends at *Commencement*.

Each student is required to pay ninety dollars of the tuition fee and the Infirmary fee of four dollars to the Bursar punctually at the beginning of the academic year, without the presentation of a bill. The second installment of the tuition fee, of sixty dollars, is entered upon the first term-bill.

The first term-bill is issued January 20, and must be paid on or before February 10. This bill will include, in addition to the second instalment of the tuition fee, such charges as the following: Two-thirds of the year's charges for the use of a College room; Gymnasium locker fee, such incidental charges as can then be determined, charges for gas, and for board at the Union and at Foxcroft Hall, made up to as late a date as practicable.

The second term-bill is issued one week before Commencement, and contains the charges not included in the first bill. The second term-bill must be paid by all candidates for degrees at least one day before Commencement, by all other students, on or before July 20.

Students who are candidates for degrees in the middle of the academic year must pay all dues to the University at least one day before the day upon which the degrees are to be voted.

The term-bills are sent to the student at his Catalogue address unless the Bursar is requested in writing to send them elsewhere.

When a student's connection with the School is severed, all charges against him must be paid at once.

Each student whose dues to the University remain unpaid on the day fixed for their payment is required at once to cease attending lectures or recitations, using the libraries, laboratories, gymnasium, athletic grounds or buildings, boarding at the Union or at Foxcroft Hall, and making use of any other privileges as a student, until his financial relations with the University have been arranged satisfactorily to the Bursar. Failure to comply with this rule is deemed cause for severing the connection of the student with the University.

FACULTY OF MEDICINE

The Faculty of Medicine was instituted in 1899, and is invested by the Statutes of the University with the immediate charge of the Medical School and of the Dental School, each of which schools was before that date under the government of a separate Faculty. For each of these two schools there is an Administrative Board, to which all powers relating to ordinary matters of administration and discipline, except the power to inflict the penalties of dismissal and expulsion, are delegated by the Faculty. In 1912 the Graduate School of Medicine was established with a separate Dean and Administrative Board which is under the Faculty of Medicine. The Faculty of Medicine makes recommendations to the President and Fellows of Harvard College for the ordinary degrees of Doctor of Medicine and of Doctor of Dental Medicine. It also has control of the requirements for admission to the two schools in its charge, of courses of instruction, of regulations concerning the choice of studies, and of nominations for fellowships and scholarships.

FACULTY OF MEDICINE

ABBOTT LAWRENCE LOWELL, LL B, LL D, Ph D., PRESIDENT

EDWARD HICKLING BRADFORD, M D., DEAN

CHARLES ALBERT BRACKETT, D M D, *Professor of Dental Pathology.*

EUGENE HANES SMITH, D M D., *Professor of Clinical Dentistry, and Dean of the Dental School.*

WILLIAM FISCHE WHITNEY, M D., *John Barnard Swett Jackson Curator of the Warren Anatomical Museum*

WILLIAM THOMAS COUNCILMAN, M D., A M., LL D., *Shattuck Professor of Pathological Anatomy.*

GEORGE HOWARD MONKS, M.D., M R C S, *Professor of Oral Surgery.*

HAROLD CLARENCE ERNST, M D, A M, *Professor of Bacteriology.*

WILLIAM HENRY POTTER, D.M D, *Professor of Operative Dentistry*

GEORGE GRAY SEARS, M.D., *Clinical Professor of Medicine.*

WILLIAM PARKER COOKE, D.M D., *Professor of Prosthetic Dentistry.*

ALGERNON COOLIDGE, M D, *Professor of Laryngology.*

ROBERT WILLIAMSON LOVETT, M.D, *John B and Buckminster Brown Professor of Orthopedic Surgery.*

WILLIAM TOWNSEND PORTER, M D, LL D., S D, *Professor of Comparative Physiology.*

ELLIOTT GRAY BRACKETT, M.D, *Assistant Professor of Orthopedic Surgery.*

- CHARLES LOCKE SCUDDER, M D., *Assistant Professor of Surgery*
 PAUL THORNDIKE, M D , *Assistant Professor of Genito-Urinary Surgery*
 HORACE DAVID ARNOLD, M D , *Director of the Graduate School of Medicine.*
 MILTON JOSEPH ROSENAU, M D , A M , *Professor of Preventive Medicine and Hygiene.*
 FRANK BURR MALLORY, M D , *Associate Professor of Pathology*
 EDWARD HALL NICHOLS, M D , *Clinical Professor of Surgery*
 JOHN BAPT BLAKE, M D , *Assistant Professor of Surgery*
 EUGENE ANTHONY CROCKETT, M D , *Assistant Professor of Otology*
 HOWARD AUGUSTUS LOTHROP, M D , *Assistant Professor of Surgery*
 JOHN LOVETT MORSE, M D , *Professor of Pediatrics*
 ALEXANDER QUACKENBOSS, M D., *Assistant Professor of Ophthalmology.*
 CHARLES ALLEN PORTER, M D , *Clinical Professor of Surgery*
 EDWARD WYLLYS TAYLOR, M D , *Professor of Neurology.*
 RICHARD CLARKE CABOT, M D , *Assistant Professor of Medicine*
 JAMES SAVAGE STONE, M D , *Instructor in Surgery.*
 DAVID LINN EDSALL, M D , S D , *Jackson Professor of Clinical Medicine*
 ELLIOTT PROCTOR JOSLIN, M.D., A.M., *Assistant Professor of Medicine.*
 CHARLES MORTON SMITH, M D , *Assistant Professor of Syphilology*
 CHARLES JAMES WHITE, M D , *Edward Wigglesworth Professor of Dermatology.*
 JAMES HOMER WRIGHT, M D., S D , *Assistant Professor of Pathology.*
 HARVEY CUSHING, M D , S D , F R C S , *Morseley Professor of Surgery.*
 WILLIAM PHILLIPS GRAVES, M D , *Professor of Gynaecology*
 REID HUNT, M D., *Professor of Pharmacology*
 WILLIAM HENRY ROBESY, JR., M.D., *Instructor in Medicine*
 OTTO FOLIN, Ph.D., S D , *Hamilton Kuhn Professor of Biological Chemistry*
 ROBERT BATTEY GREENOUGH, M D , *Assistant Professor of Surgery*
 HARRIS PEYTON MOSHER, M D., *Assistant Professor of Laryngology.*
 FRANKLIN SPILMAN NEWELL, M.D , *Assistant Professor of Obstetrics and Gynaecology.*
 WILLIAM HENRY SMITH, M.D., *Instructor in Medicine.*
 RICHARD PEARSON STRONG, M.D , S D , *Professor of Tropical Medicine*
 HUGH CABOT, M D , *Assistant Professor of Genito-Urinary Surgery*
 GEORGE BURGESS MAGRATH, M.D., *Instructor in Legal Medicine.*
 HENRY ASBURY CHRISTIAN, M D , *Hersey Professor of the Theory and Practice of Physic.*
 FREDERICK HERMAN VERHOEFF, M D., A M., *Assistant Professor of Ophthalmic Research.*
 JOHN LEWIS BREMER, M D., *Associate Professor of Histology*
 WALTER BRADFORD CANNON, M D , *George Hugginson Professor of Physiology.*

CHARLES HUNTER DUNN, M.D., *Instructor in Pediatrics*

EDWIN ALLEN LOCKE, M.D., *Instructor in Medicine*

JOHN WARREN, M.D., *Associate Professor of Anatomy*

DAVID CHEEVER, M.D., *Assistant Professor of Surgery and Assistant Professor of Surgical Anatomy*

FREDERIC THOMAS LEWIS, M.D., *Associate Professor of Embryology*

FREDERICK TAYLOR LORD, M.D., *Instructor in Medicine*

ELMER ERNEST SOUTHARD, M.D., A.M., S.D., *Bullard Professor of Neuro-pathology*

PERCY GOLDTHWAIT STILES, Ph.D., *Assistant Professor of Physiology*

ERNEST EDWARD TYZZER, M.D., *George Fabyan Professor of Comparative Pathology*

LAWRENCE JOSEPH HENDERSON, M.D., *Assistant Professor of Biological Chemistry*

CLEAVELAND FLOYD, M.D., *Silas Arnold Houghton Assistant Professor of Bacteriology*

SIMEON BURT WOLBACH, M.D., *Associate Professor of Pathology and Bacteriology*

MARSHAL FABYAN, M.D., *Assistant Professor of Comparative Pathology.*

WORTH HALE, M.D., *Assistant Professor of Pharmacology*

EDWIN HEMPHILL PLACE, M.D., *Assistant Professor of Pediatrics.*

FRITZ BRADLEY TALBOT, M.D., *Instructor in Pediatrics*

WALTER RAY BLOOR, Ph.D., *Assistant Professor of Biological Chemistry*

CHANNING FROTHINGHAM, M.D., *Instructor in Medicine*

ALEXANDER SWANSON BEGG, M.D., *Dean of the Graduate School of Medicine, and Instructor in Comparative Anatomy*

FRANCIS WELD PEABODY, M.D., *Assistant Professor of Medicine*

ALEXANDER FORBES, M.D., *Instructor in Physiology.*

JACQUES BRONFENBRENNER, Ph.D., *Assistant Professor of Preventive Medicine and Hygiene*

CECIL KENT DRINKER, M.D., *Instructor in Physiology*

WILLIAM T. BOVIE, Ph.D., *Instructor in Bacteriology*

MCIVER WOODY, M.D., *Secretary of the Faculty of Medicine, and Austin Teaching Fellow in Surgery*

MEDICAL SCHOOL

The Harvard Medical School started as a branch of the University in 1782. In September, 1906, the School moved into its buildings which occupy eleven acres on Longwood Avenue, Boston. The buildings are five in number — one is designed for administrative and four for laboratory purposes. The administration building contains the necessary offices, several lecture rooms, the Library and the Warren Anatomical Museum. The laboratory buildings provide extensive accommodations for various departments grouped in the buildings as follows — (1) anatomy, comparative anatomy, histology and embryology, (2) physiology, comparative physiology, biological chemistry, and theory and practice of physics, (3) pathology, bacteriology, neuropathology, surgical pathology, and tropical medicine, (4) preventive medicine and hygiene, pharmacology, comparative pathology, and surgery.

At the present time the clinical instruction is carried on in the wards and out-patient departments of the Peter Bent Brigham Hospital, Infants' Hospital (Roth Memorial), Children's Hospital, and Collis P. Huntington Memorial Hospital, located on grounds adjacent to the Medical School, the Massachusetts General Hospital, Boston City Hospital, Boston Lying-in Hospital, Boston Dispensary, McLean Hospital, Boston State Hospital, Psychopathic Hospital, Massachusetts Charitable Eye and Ear Infirmary, and Free Hospital for Women. For a detailed statement of the number of patients treated in these hospitals, see pages 427-431.

The academic year begins on the Monday preceding the last Wednesday in September and ends on the Thursday preceding the last Wednesday in June. There is a Christmas recess from December 23 to January 2, inclusive, and a recess of one week's duration in April.

ADMINISTRATIVE BOARD

PRESIDENT A. LAWRENCE LOWELL, LL.B., LL.D., Ph.D. (*ex-officio*)

DEAN EDWARD H. BRADFORD, M.D. (*ex-officio*), *Chairman*

ALGERNON COOLIDGE, M.D., *Professor of Laryngology*

MILTON J. ROSENAU, M.D., A.M., *Professor of Preventive Medicine and Hygiene*

DAVID L. EDSALL, M.D., S.D., *Jackson Professor of Clinical Medicine.*

REID HUNT, M.D., *Professor of Pharmacology*

JOHN L. BREMER, M.D., *Associate Professor of Histology*

DAVID CHEEVER, M.D., *Assistant Professor of Surgery and of Surgical Anatomy*

ROGER PIERCE, A.B., *Secretary*

ADMISSION OF STUDENTS

As candidates for the degree of Doctor of Medicine the School receives the following. —

I. Graduates in arts or science of approved colleges or scientific schools* who can furnish evidence

(a) That they have such knowledge of physics, of biology, of general inorganic chemistry, and of organic chemistry,† as may be obtained from one year's course in each of these subjects as given in approved colleges and scientific schools

(b) That they have a reading knowledge of French or German.

II. Students who have completed two years of work in a college or scientific school of high rank, provided they present certificates (1) that they have stood in the upper third of their class, (2) that one year's course has been taken in physics, in biology, and in general inorganic chemistry and in organic chemistry, and (3) that they have a reading knowledge of French or German

These requirements are to be satisfied in full before matriculation.

Partial deficiencies in single subjects may be made up prior to admission by courses in the Harvard Summer School

Students are requested to apply for admission before July 1st on registration blanks to be furnished by the Secretary

The Administrative Board reserves the right in its discretion to refuse applicants if the number admitted is as large as can be effectively taught

ADMISSION TO ADVANCED STANDING

Students who began their medical studies in approved medical schools may be admitted to advanced standing and become candidates for the degree of M.D. under the following conditions —

They must have fulfilled the requirements for admission enumerated under I or II

They must furnish a satisfactory certificate of time spent in medical study, successfully completed, at least equal to that spent by the class to which they seek admission

* It is assumed that before admission to an acceptable college a four years' course in high school or its equivalent will have been completed, and that the applicant will have such knowledge of English as is ordinarily required in approved colleges

† Courses in physics, general inorganic chemistry, and biology (at least one-half of which should be zoology) should consist of approximately 160 total hours, or 8 "semester hours", courses in organic chemistry should consist of approximately 90 total hours, or 4 "semester hours", all courses should include satisfactory laboratory work

They must furnish satisfactory certificates that they have done satisfactory laboratory and practical work in the subjects already pursued by the class to which they seek admission

They must pass examinations or receive credit for all courses required to have been passed by the class to which they seek admission.

Graduates of other medical schools of recognized standing may be admitted to advanced standing in accordance with the above regulations

The minimum time of residence at this School for candidates for the degree of M.D. shall be one year, all candidates for the degree of M.D. must perform in full the work of the fourth year of the regular curriculum.

GENERAL REGULATIONS

Students are divided into four classes, according to their time of study and proficiency. No student may advance with his class if he has failed to pass satisfactorily any essential part of the requirements of the previous year

The Faculty reserves the right to require the withdrawal of any student at any time whenever in the opinion of his instructors it is manifest that he is incompetent for his work, or for any reason is unfit to continue his course

In order that the time of study shall count as a full year, students of all classes must register on Monday, the first day of the session

Students are required not to engage as hospital assistants during term time, except in so far as required by the School curriculum or allowed in each case by the Administrative Board

EXAMINATIONS*

Each student will receive a rating in each course based upon examinations or other tests as determined by each Department.

At the end of the fourth year a general examination including the subjects of the third and fourth years will be required of all candidates for the degree of M.D. (Beginning in 1920 the General Examination will include all subjects of the four years' course.)

Before taking the General Examination a student must have a satisfactory record in each of the required subjects of his course. In certain cases, by special permission, he may be allowed to take the examination before completing minor requirements for the degree

The Committee conducting the General Examination may give such written or oral tests as it considers best for determining an applicant's fitness for receiving the degree and for honors

No student is allowed to anticipate the examinations in the regular course of studies of his year except by special permission of the Administrative Board.

After two failures to pass an examination each student must pay a fee of three dollars at the Dean's office before appearing for each additional examination in the same subject.

Any student who fails three times in the General Examination will be debarred from further attempts.

DEGREES

DEGREE OF DOCTOR OF MEDICINE

Every candidate for the degree of Doctor of Medicine at this University must be at least twenty-one years of age and of good moral character. He must fulfil all the requirements for admission to this Medical School, give evidence of having studied in a recognized Medical School at least four full years, of which one year must be spent in the regular fourth-year course of this School, pass all the required examinations, have dissected the three parts of the body to the satisfaction of the demonstrator, have taken charge of and reported on twelve cases in Obstetrics under supervision and instruction, and furnish evidence of having engaged in the practical exercises in Medicine and Surgery.

The degree of Doctor of Medicine *cum laude* or *magna cum laude* may be given to students of highest rating in the class on recommendation of the Committee on Examinations.

For special and approved purposes students may be allowed to take a portion of their work elsewhere than at the Harvard Medical School, provided that the application be approved by the Dean in consultation with the Administrative Board and the Head of a Department, and provided that the student pass an examination on this work after its completion conducted by a member of the Faculty of the Harvard Medical School.

Every candidate for the degree of M.D. must make application for it in writing, on blanks furnished at the Dean's office, on or before May 1st of the year in which they propose to graduate.

DEGREE OF DOCTOR OF PUBLIC HEALTH

The degree of Doctor of Public Health is open to holders of the degree of Doctor of Medicine from the Harvard Medical School or other recognized Medical Schools, and to other properly qualified persons. Candidates for the degree of Doctor of Public Health must spend not less than one year in work upon a special subject, approved by the Committee on the Degree of Doctor of Public Health, and present a thesis containing some original research acceptable to the Faculty of Medicine. Candidates for this degree may be given credit for any course offered in any department of the Univer-

sity, provided it has the approval of the Faculty of Medicine, and candidates from other institutions may be admitted to advanced standing. A minimum of one year in residence shall be required of all candidates for the degree of Doctor of Public Health. Information in regard to this degree may be had from Professor M J ROSENAU, Chairman of the Committee on the Degree of Doctor of Public Health.

Candidates for this degree must make application in writing, on blanks furnished at the Dean's Office, on or before May 1st of the year in which they propose to graduate.

DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

There has been established within the Faculty of Arts and Sciences a Division of Medical Sciences, consisting of members of the Faculties of Medicine and of Arts and Sciences, who are to recommend candidates for the degrees of A M and Ph D to the Faculty of Arts and Sciences. Work in Medical Sciences leading to these degrees may be carried on in several of the laboratories of the Medical School by properly qualified students.

Candidates for the degree of Master of Arts must be Bachelors of Arts of Harvard College, or Bachelors of Arts of other colleges who shall be recommended by the Faculty of Arts and Sciences. Candidates must pursue an approved course of study in medical science for at least one year.

Candidates for the degree of Doctor of Philosophy must fulfil certain preliminary requirements, must devote to approved advanced studies not less than two years, — at least one of which must be spent in residence at this University, — and must pass general examinations and present an account of original work in an accepted thesis, before being granted the degree.

Further information concerning these degrees may be obtained from Asst Professor LAWRENCE J HENDERSON, Chairman of the Division of Medical Sciences, 4 Willard Street, Cambridge, Mass.

FEES AND EXPENSES

DEGREE OF DOCTOR OF MEDICINE

The fees are: — For matriculation, five dollars, for instruction (including laboratory charges except breakage, damage and loss of apparatus), two hundred and twenty-five dollars for each year (if in two payments, at the first, one hundred and thirty-five dollars; at the second, ninety dollars), for a half-year alone, one hundred and thirty-five dollars. The matriculation fee and the instruction fee (if in two payments, the first instalment thereof) are to be paid to the Bursar* punctually at the beginning of the academic

* The Bursar's office is in Dane Hall, Harvard Square, Cambridge. Hours, 9-1.

year, without the presentation of a bill; and the second instalment is to be paid on or before January 31. On or before January 31, first-year students are to make a deposit of ten dollars with the Bursar to cover charges for breakage, damage and loss of apparatus during the first and second years in accordance with the requirements established by the several departments in which they occur. If, at the end of a student's first year, his breakages, etc., have been so great as to render the deposit in the Bursar's judgment insufficient to cover probable charges for the second year, a further deposit will be required at the beginning of the second year. A student may rent a microscope from the School upon application to the Committee on Microscopes. A deposit of one dollar with the Dean will entitle the student to the use of a locker in the School buildings.

No degree can be conferred until all dues to the University have been discharged. Each student whose dues remain unpaid on the day fixed for their payment is required at once to cease attending lectures and using laboratories or making use of any other privileges as a student until his financial relations with the University have been arranged satisfactorily to the Bursar. Failure to comply with this rule is deemed cause for final separation from the University.

BOND REQUIRED OF STUDENTS

Every student is required to file with the Bursar on his entrance to the School a bond of *fifty dollars*, executed by two sufficient bondsmen (one of whom must be a citizen of the United States), or to deposit fifty dollars in money, to cover the loss or injury of any property belonging to the University or for which it is responsible. Blank forms of bonds may be obtained from the Secretary of the Faculty or from the Bursar. No officer or student of the University is accepted as a bondsman. Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School and have subsequently received their bond from the Bursar.

DEGREE OF DOCTOR OF PUBLIC HEALTH

A fee of \$150 annually is charged for tuition, and \$5 for matriculation. Of this amount, \$95 must be paid to the Bursar at the beginning of the academic year without the presentation of a bill, the remaining \$60 must be paid on or before January 31. No degree can be conferred until all dues to the University have been discharged.

DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

For these degrees, a fee of \$200 is charged for tuition, in each academic year, payable in four instalments of \$50 each, respectively on or before the

opening day of the academic year, on or before November 23, February 10, and the day following the spring recess in Cambridge. No bill is sent for these instalments. No degree can be conferred until all dues to the University have been discharged.

STILLMAN INFIRMARY FEE

Not later than October 1 in each academic year, any student may pay to the Bursar the sum of four dollars for the maintenance of the Stillman Infirmary, and, on the order of a physician, every student who has taken advantage of this opportunity will be given, in case of sickness, in return for the fee, a bed in a ward, board, and ordinary nursing for a period not exceeding two weeks in any one academic year.

WITHDRAWAL FROM THE SCHOOL

Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Administrative Board, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction. This remission will date from the reception by the Dean of a written notice of the student's withdrawal from the School. *No degree can be granted until the student has paid the full tuition fee for each year* (first, second, third, fourth) *in which he has been registered as a member of the School*.

If a student withdraws from the School for part of a year for good and sufficient reason as determined by the Faculty, he may leave his fees deposited with the Bursar to be used at some later date for instruction equivalent to that which he missed by his withdrawal. If a student shortens his four years' work by working in the Summer School of Medicine, he must still pay a full tuition fee for each year he is registered as a member of the School.

The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. A list of boarding places, at various prices, adjacent to the Medical School can be obtained from the Dean's Office, also a list of boarding places can be obtained at the rooms of the Young Men's Christian Association, 316 Huntington Avenue, and the rooms of the Young Men's Christian Union, No. 48 Boylston Street, Boston.

Students' expenses may also be reduced by occupying rooms in the College dormitories in Cambridge. Information in regard to College rooms may be obtained upon application to the Bursar.

At the Union, Cambridge, the cost of board is expected not to exceed \$6 25 a week. For notice in full see "Dining Associations," page 154.

At Foxcroft Hall, Cambridge, meals are served *à la carte*, making it possible to board for \$3 50 a week. Application should be made early to the Auditor, Foxcroft Hall.

Any student who lives in a College room, or boards at the Union or at Foxcroft Hall, must file a bond of *four hundred dollars* with the Bursar, or deposit *four hundred dollars* in money or United States bonds, or pay in advance the full year's rent of any room that may be assigned to him, and make a deposit with the Bursar as security for the payment of his board. In the case of the Union the deposit for board may be made each week at the rate of \$6 00, or it may be made less frequently in multiples of that figure. In the case of Foxcroft Hall, the deposit, made in sums of \$5 00, or multiples thereof, must be such as to maintain constantly in the Bursar's hands a balance in excess of ten dollars.

A special pamphlet, containing many important details concerning the School, is published each year, and may be had on application to the Dean of the School, or at the Office of the Harvard University Press, No 2 University Hall, Cambridge.

For any information about the School, not contained in the Catalogue or special pamphlet, address the Dean of the Harvard Medical School, Longwood Avenue, Boston, Mass.

OFFICE HOURS OF THE DEAN, BY APPOINTMENT, OF THE SECRETARY,
DAILY, 1 TO 2 P M

DIVISION OF STUDIES

DIVISION OF STUDIES

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FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR	
			PRESCRIBED	ELECTIVE
Anatomy Histology and Embryology Physiology Biochemistry	Bacteriology Pathology Anatomy Preventive Medicine and Hygiene Pharmacology Physical Diagnosis Clinical Pathology Surgical Pathology Surgical Technique Medicine Surgery Obstetrics Neurology	Medicine Surgery Obstetrics Pediatrics Dermatology Syphilology Neurology Psychiatry Genito-Urinary Surgery Legal Medicine Orthopedic Surgery Otolaryngology Ophthalmology Gynaecology Laryngology	Anatomy 1 (4) *Medicine 1, 2, 3 (1) or 4 (4) Pediatrics 1 (4) †Surgery 1, 2, or 3 Orthopedic Surgery 1 (4) Obstetrics 1 (4) Gynaecology 1 (4) Ophthalmology 1 (4) Otolaryngology 1 (4) Laryngology 1 (4) Friday afternoons devoted to class exercises	Anatomy 2, 3 (4) Physiology 1 (4), 2 (Research) Comparative Physiology 1, 2 (4) Biochemistry 1 (4) Bacteriology 1 (4) Pathology 1, 2, 3, 4 (4) Comparative Pathology 1 (4), 2 (Research), 3, 4 (4) Preventive Medicine and Hygiene 1 (4) Pharmacology 1 (4 or 4) Medicine 4, 5 (4), 6 (4) Roentgenology (4) Pediatrics 2, 3, 4 (4) Surgery 4, 5, 6 (4), 7 (4) Orthopedic Surgery 2 (4) Gynaecology 2 (4 or 4) Dermatology 1, 2 (4), 3 (4) Syphilology 1 (4) Neuropathology 1, 2 (4 or 4) Neurology 1 (4) Psychiatry 1 (4 or 4) Ophthalmology 2 (4), 3 (4) Otolaryngology 2, 4 (4), 3 (4) Laryngology 2, 3 (4)
				* See page 424 † See page 425

* See page 424

† See page 425

COURSES OF INSTRUCTION

NOTE — The figures at the right of the page indicate as accurately as can be ascertained the number of hours of instruction which each student receives in the different courses

ANATOMY

FIRST YEAR

October, November, December, and January

HOURS

Lectures	Associate Professors BREMER and LEWIS	<i>Eleven lectures a week, nine hours</i>	144
Demonstrations	<i>To sections of the class, at the pleasure of the instructors.</i>		
Laboratory work.	<i>Six and one-half hours, five times a week.</i>		520

Second Year — The course in second-year anatomy begins on the first of February and lasts for nine weeks. The class will be divided into three sections, and each section will have approximately four hours per week. The work will consist chiefly of the careful study and drawing of selected frozen sections of the human body. Anatomical charts, special dissections, and preparations will be continuously displayed in the laboratory to illustrate the various structures seen in the sections. The drawings are to be handed in at frequent intervals for correction, and they will be discussed with each student. There will be also frequent informal, individual quizzes and discussions as the work progresses. The work in the laboratory is planned to be carried on in close coöperation with the clinical courses in medicine and surgery, and the students are strongly urged to compare the anatomical structures seen in the study of the frozen sections, especially of those through the body cavities, with the conditions found in the physical examination of patients in the hospital wards and clinics. This association between the anatomical laboratory and the clinical courses should be regarded as of a great practical importance. The course is also intended to serve as a topographical review of the work of the first year, and there will be a final written examination which will cover the work in both the first and second-year courses in anatomy.

SECOND YEAR

February and March

Laboratory work to sections of the class,	<i>four hours per week.</i>	36
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INVESTIGATION

Special accommodations are furnished in the laboratory for students who wish to pursue special or advanced work. Special facilities are offered to

original investigators, who will receive such personal aid as may be necessary or advantageous.

A special course in vertebrate embryology is given during the second term; this has been accepted by the Faculty of Arts and Sciences, and is open to students of the academic departments

FOURTH YEAR

HOURS

Surgical Anatomy Associate Professor CHEEVER and Assistants.
(H.M.S.) *Forty-eight hours for each student* 48

PHYSIOLOGY

FIRST YEAR (SECOND HALF)

Laboratory experiments Asst Professor STILES and Drs DRINKER and REDFIELD. <i>Daily</i>	180
Quizzes (14). Asst. Professor STILES and Drs. DRINKER and REDFIELD <i>One hour Saturdays</i>	10
Written tests (5). <i>One hour Mondays</i>	5
Lectures (90). Asst. Professor STILES and Drs. DRINKER and REDFIELD	90
Special demonstrations (30). Asst. Professor STILES and Drs DRINKER and REDFIELD	15
Discussion of Theses (30).	20
Thesis Written by each student from the original sources.	
Reading of investigations. The reading of investigations and the discussion of these at the appropriate conference.	

INVESTIGATION

Any student, properly qualified, who desires to engage in physiological research will be welcomed to the laboratory and will be offered every facility for research which the laboratory affords.

COMPARATIVE PHYSIOLOGY

I. *Physiological Research* Students qualified for research will pursue their investigations under the immediate direction of the professor in charge.

II. *Comparative Physiology of Muscle.* Professor PORTER *Three hours weekly during February and March.*

III. *Physiological Conference.* Professor PORTER *Demonstrations with informal discussions of selected problems in physiology. Mondays and Thursdays, 5 to 6 P.M., throughout the year*

BIOLOGICAL CHEMISTRY

FIRST YEAR (SECOND HALF)

HOURS

Lectures	Professor FOLIN and Asst Professor BLOOR	<i>One hour, five times a week</i>	80
Laboratory work	Professor FOLIN, Asst Professor BLOOR, and Mr YOUNGBURG.	<i>Two and one-half hours, five times a week</i>	200

BACTERIOLOGY

SECOND YEAR

Lectures	Professor ERNST.	<i>Daily, except Saturdays, during October and November.</i>	40
Laboratory work	Professor ERNST, Asst. Professor FLOYD, and Drs PAGE, STEELE, BOUTWELL, PERRY, and REDDEN	<i>Two to three hours daily during October and November.</i>	120

PATHOLOGY

SECOND YEAR

Lectures	Professor COUNCILMAN, Associate Professors MALLORY and WOLBACH, and Asst Professor WRIGHT	<i>Daily for fourteen weeks, October, November, December, and January (first week only).</i>	84
Laboratory work	Professor COUNCILMAN, Associate Professor WOLBACH, Drs FOOT, GOODPASTURE, BERNSTEIN, BURNETT, and WOODY	<i>Three hours daily during the forenoons of October, November, December, and twelve hours a week during first half of January.</i>	252
Demonstrations and laboratory work.	Professor TYZZER and Asst Professor FABYAN	<i>Twelve hours a week, latter half of January.</i>	24
Demonstration of autopsy material.	Asst. Professor WRIGHT. (M.G.H.)	<i>One hour a week</i>	
Neuropathology.	Professor SOUTHARD.	<i>Afternoons in December.</i>	45
Surgical Pathology	Professor NICHOLS.	<i>Afternoons in January.</i>	36

THIRD YEAR

Clinical pathological demonstrations	Associate Professor WOLBACH (P B B H)	<i>Two hours a week throughout the year</i>
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LEGAL MEDICINE

Second Year. — (1) Demonstrations of the pathological conditions met with in death following injuries of various sorts, and in sudden death, in the post-mortem rooms of the North District Morgue and of the Massachusetts

General Hospital, during the forenoons of the first half-year, to sections assigned by the Pathological Department upon notification from Dr. MAGRATH.

(2) Instruction in the technique of medico-legal post-mortem examinations to be given coincidentally with (1)

Third Year — A systematic course of lectures is given at the Medical School

Fourth Year — Optional course, second half-year (1) Instruction in the pathological conditions met with in death following injury, and in sudden death, by the case method, with special reference to the clinical and the medico-legal aspects in each case Exercises based on autopsy, with discussion of the case, and held in the post-mortem rooms of the North District Morgue and of the Massachusetts General Hospital

(2) Legal Medicine: medicine in its relation to the requirements of law Systematic lectures (not less than twelve) dealing with matters of importance to the physician, alike as practitioner and as a witness in court

THIRD YEAR

HOURS

Lectures Dr MAGRATH (II M S) *Once a week, November to June* 28

COMPARATIVE PATHOLOGY

SECOND YEAR

Lectures. Professor TYZZER. (II M S.) *One hour daily during latter half of January* 12

Demonstrations and laboratory work. Professor TYZZER and Asst Professor FABYAN. *Twelve hours a week during latter half of January.* 24

PREVENTIVE MEDICINE AND HYGIENE

SECOND YEAR

Lectures and demonstrations. *One hour, twice a week, second half-year* 32
Laboratory and sanitary survey. *Two hours, once a week, second half-year.* 32

PHARMACOLOGY

SECOND YEAR

Lectures and demonstrations. Professor HUNT and Assistant Professor HALE *One hour, three times a week, second half-year.* 50
Laboratory work *Two hours, once a week, second half-year.* 32

MEDICINE

SECOND YEAR	HOURS
Lectures and recitations on physical diagnosis Dr ROBEY * (P B B.H.) <i>Four times a week, for six weeks, second half-year</i>	24
Lectures and recitations on therapeutics and prescription writing Dr FROTHINGHAM.* (P B B H) <i>Twice a week, for ten weeks, second half-year.</i>	20
Clinical lectures Professor SEARS (B.C H) <i>Once a week, for ten weeks, second half-year</i>	10
Lectures. Professor EDSALL (M G H) <i>Once a week, for ten weeks, second half-year</i>	10
Exercises in sections, conducted by assistants under the general super- vision of Dr. ROBEY * <i>Each student has fifty-two exercises, supple- mented by demonstrations and recitations for the entire class.</i>	78
Laboratory exercises. Asst Professor PEABODY and assistants <i>Three times a week, second half-year. Two-hour periods.</i>	96

THIRD YEAR

Lectures on selected topics Professor CHRISTIAN (P B B.H) <i>Twice a week, first half-year.</i>	32
Case teaching, exercises, and discussion of selected topics Asst Pro- fessor CABOT * (H M.S) <i>Twice a week, second half-year.</i>	32
Lectures on Applied Therapeutics. Professor SEARS (H M S) <i>Once a week, April and May</i>	8
Amphitheatre clinics Professor CHRISTIAN (P B B H) <i>Once a week throughout the year.</i>	32
Amphitheatre clinics. Professor EDSALL (M.G H.) and Professor SEARS (B C.H.) <i>Once a week throughout the year.</i>	32
Exercises in sections as student assistants in the Out-patient Depart- ments at the M.G H., B C H., or P.B.B H. <i>Each section has forty-eight exercises of three hours each</i>	144

FOURTH YEAR

A service of not less than two months as clinical clerk in the medical wards of the M.G H., B C.H., or P.B.B H is required of each student, except for those who take at least two months in Surgery, in which case one month of medicine is required.

* On leave, exercise to be conducted by another member of the Faculty.

TROPICAL MEDICINE

RICHARD P. STRONG, M D , S D , Professor of Tropical Medicine, will supervise the instruction in Tropical Medicine. Professors H. C. ERNST, M. J. ROSENAU, and H. A. CHRISTIAN will constitute an Advisory Board. Arrangements will be made by which single courses may be taken by properly qualified students.

SURGERY

The Department of Surgery includes surgery, clinical surgery, operative surgery, surgical pathology, surgical technique, genito-urinary surgery, roentgenology, and the laboratory of surgical research

SECOND YEAR

HOURS

Laboratory course in Surgical Pathology. Professor NICHOLS. (H M S.) <i>Twelve three-hour exercises during January.</i>	36
Laboratory course in Surgical Therapeutics Professor CUSHING* and associates. (H.M.S.) <i>Eight three-hour exercises during January.</i>	24
Clinical lectures in connection with the course in Surgical Pathology. Professor NICHOLS. (B C H) <i>Twelve exercises during January</i>	12
Clinical lectures in Surgical Therapeutics Professor CUSHING.* (P.B.B.H.) <i>Four exercises during January.</i>	4
Laboratory course in Surgical Therapeutics Professor PORTER and Asst. Professor LOTHROP and assistants. <i>Eighteen two-hour exercises for each student during the second half of the second year.</i>	36
Lectures and demonstrations. Professors CUSHING,* NICHOLS and PORTER, and associates. (H.M.S.) <i>Once a week, second half-year.</i>	16
Recitations. Asst. Professors GREENOUGH and LOTHROP. <i>Once a week, second half-year.</i>	16
Clinical lectures. Professor PORTER and Asst. Professor GREENOUGH (M G H.), Professor NICHOLS and Asst. Professors BLAKE and LOTHROP (B.C.H.). <i>Twice a week, second half-year.</i>	32

THIRD YEAR

Lectures and demonstrations Professors CUSHING,* NICHOLS and PORTER, and associates. <i>Once a week throughout the year</i>	32
Clinical lectures. Asst Professor CHEEVER and Dr HOMANS (P.B.B.H.) <i>Once a week throughout the year.</i>	32

* On leave, exercise to be conducted by another member of the Faculty.

	HOURS
Clinical lectures given contemporaneously at the M G H. and B C H Professor PORTER and Asst. Professor GREENOUGH (M G H) or Professor NICHOLS and Asst Professors BLAKE and LOTHROP (B C H.) <i>Once a week throughout the year</i>	32
(During May of the third year, four morning and eight afternoon exercises will be devoted to genito-urinary surgery Asst. Professor PAUL THORNDIKE (B C H and M G H))	
Recitations Asst Professors LOTHROP and GREENOUGH (H M S) <i>Once a week, first half-year</i>	32
Case teaching Asst Professor BLAKE (H M S.) <i>Once a week, beginning February 1st</i>	16
Out-patient Surgical Dresser Service — Exercises in sections. Each student has forty-eight exercises of three hours each	144

FOURTH YEAR

A service of not less than two months as clinical clerk in the surgical wards of the M.G.H., B C H., or P.B.B.H., is required of each student, except for those who take at least two months in Medicine, in which case one month of surgery is required

PEDIATRICS

THIRD YEAR

Lectures, recitations or case teaching Professor MORSE and assistants (H.M.S) <i>Once a week throughout the year.</i>	32
Clinical lectures Professor MORSE and assistants. (Ch.H. or I H.) <i>Once a week throughout the year.</i>	32
Section teaching (Ch H, I H, M G H, B D, and S D.B C H) <i>Throughout the year Each student attends twenty-four exercises of three or three and one-half hours each during the year</i>	72

DERMATOLOGY AND SYPHILOLOGY

DERMATOLOGY

THIRD YEAR

Lectures. Professor WHITE (H M S) <i>Four times a week during October</i>	16
Lectures on the Anatomy and Therapeutics of the Skin (Illustrated.) Professor WHITE (H M S) <i>Last eight weeks, second half-year.</i>	8
Section work Clinical Dermatology. Drs BURNS and BLAISDELL. (M G H) <i>Each student attends twelve three-hour exercises</i>	36

SYPHILOLOGY

THIRD YEAR

HOURS

Lectures	Asst. Professor SMITH (H M S)	<i>Once a week, October and November.</i>	8
Clinical lectures	Asst Professor SMITH. (M G H)	<i>Once a week, September 29 to November 17</i>	8
Clinical exercises	Asst Professor SMITH and Dr LLOYD (M G H)	<i>Each student attends twelve three-hour exercises, in sections</i>	36

DISEASES OF THE NERVOUS SYSTEM

The Department of Diseases of the Nervous System is composed of the sub-departments of Neuropathology, Neurology, and Psychiatry.

NEUROPATHOLOGY

SECOND YEAR

Lectures.	Professor SOUTHARD and assistants	<i>Afternoons in December</i>	12
Laboratory work	Professor SOUTHARD and assistants	<i>Two hours daily, afternoons in December</i>	24
Written and practical tests	Professor SOUTHARD and assistants	<i>Afternoons in December.</i>	9
Demonstration at State institutions, voluntary	Special		

NEUROLOGY

SECOND YEAR

Clinical lectures	Professor TAYLOR (M G H)	<i>Once a week, second half-year</i>	16
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THIRD YEAR

Clinical lectures	Professor TAYLOR. (M G H)	<i>Once a week, November 24 to December 22 and during May</i>	8
Section teaching.	<i>Each student attends twelve three-hour exercises in Neurology</i>		36

PSYCHIATRY

	THIRD YEAR	HOURS
Lectures. Professor SOUTHARD. (H M S)	<i>Once a week, eight weeks, first half-year.</i>	8
Clinical lectures Professor SOUTHARD and assistants (P H.)	<i>Once a week, January, February, March, and April</i>	16
Section teaching	<i>Each student attends twelve three-hour exercises in Psychiatry.</i>	36

OBSTETRICS AND GYNAECOLOGY

OBSTETRICS

Third Year. — Instruction is given by lectures, conferences, and clinical teaching. Students are required to take charge of at least twelve cases of labor, under supervision and instruction, to care for their patients during the convalescence, and to make full written reports of the cases.

SECOND YEAR

Lectures. Asst Professor NEWELL (H.M.S)	<i>Once a week, second half-year.</i>	16
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THIRD YEAR

Lectures and conference on Obstetrics Asst. Professor NEWELL and assistants (H M S)	<i>Twice a week, first half-year. Once a week, second half-year.</i>	48
Practical instruction in Clinical Obstetrics. By Members of the Department.	<i>Throughout the year.</i>	

GYNAECOLOGY

Instruction is given by lectures in the third year, and recitations and clinical teaching in the fourth year. Clinics are held in the out-patient departments of the Free Hospital for Women, Boston City Hospital, and Boston Dispensary, and the student is instructed in diagnosis, and in the treatment of ambulatory cases.

	THIRD YEAR	HOURS
Lectures or recitations. Professor GRAVES. (H.M.S)	<i>Every other week, second half-year</i>	8

FOURTH YEAR

Clinical exercises. Professor GRAVES, and Drs. WADSWORTH and PEMBERTON (F H for W), Dr. STORER (B D.), and Drs. GREEN, MASON, and WILLIAMS (B.C.H.).	<i>In sections, throughout the year. Each student attends twelve exercises.</i>	36
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ORTHOPEDIC SURGERY

Instruction is given in Orthopedic Surgery by lectures at the Harvard Medical School or Children's Hospital in the second half of the third year, and in the fourth year by clinical demonstrations at the Children's Hospital and Massachusetts General Hospital

THIRD YEAR

HOURS

Lectures. Professor LOVETT. (H.M.S. or C.H.) *Every other week, second half-year.*

8

FOURTH YEAR

Clinical demonstrations Professor LOVETT and assistants (Ch.H.)

In sections throughout the year *Each student has sixteen exercises* 48

OPHTHALMOLOGY

THIRD YEAR

Lectures (H.M.S.) *Once a week, February and March.*

8

FOURTH YEAR

Clinical exercises. Asst Professor QUACKENBOSS and Drs HASKELL and SPALDING. (E. and E.I.) In sections every other week during the year *Twelve exercises for each student*

36

OTOLOGY

THIRD YEAR

Lectures. Asst. Professor CROCKETT. (H.M.S.) *Once a week December and January.*

8

FOURTH YEAR

Clinical exercises in sections (E. and E.I.) *Every student receives twelve exercises, throughout the year.*

36

LARYNGOLOGY AND RHINOLOGY

THIRD YEAR

Lectures. Professor COOLIDGE, assisted by Drs GOODALE and WRIGHT. (H.M.S.) *Once a week, December and January*

8

FOURTH YEAR

Clinical exercises. Professor COOLIDGE, and Drs BARNES, GREENE, BLODGETT, COFFIN, and WRIGHT *Forty-eight hours for each student.* 48

FOURTH-YEAR ELECTIVES

The fourth year is divided into eight periods, or "months," of which each student is required to take not less than three months in courses in which he serves as medical or surgical clinical clerk in hospital wards (Medicine 1, 2, 3, or 4, Surgery 1, 2, or 3), and one month each in Pediatrics and in Obstetrics, two months in a combined course including Gynecology, Laryngology, Otology, Ophthalmology, Orthopedic Surgery, and Surgical Anatomy, and one month in an elective

The courses of the fourth year are given as full courses, half-courses, and quarter-courses. A half-course occupies the entire day for one month or half the day for two months. A half-course has the value of 125 hours. A quarter-course occupies half the day for one month. One thousand hours of work are required in the fourth year.

A student who desires to obtain additional elective months may take summer courses in certain subjects, which will free him from the necessity of taking courses in these subjects in the winter term, thus enabling him to fill the periods devoted to these subjects with electives. The taking of summer courses, however, shall not excuse a student from devoting himself to courses of the School during any part of the regular term. Summer courses which may be used to anticipate the requirements of special subjects may be arranged with the Secretary of the Graduate School of Medicine.

In exceptional cases a student may be allowed to substitute one or more electives for required courses of the fourth year. To do this he must present with his choice of courses a petition to the Administrative Board, stating the reasons for the change, and any work which he has done or expects to do in the subjects omitted.

Students must file at the Dean's Office not later than May 15th, on blanks provided for the purpose, their preferences among courses in required subjects and their choice of electives, the Administrative Board reserving the right to modify the selection of the courses chosen by any student.

The order in which a student's courses are arranged is determined by the Secretary.

Changes in the fourth-year schedule are allowed in individual cases by the Administrative Board only when good reason for the change exists and only with the approval of the instructors concerned.

No student may select a fourth-year course covering a subject in the work of the first three years in which he is deficient without the consent of the head of the Department in writing.

On Fridays throughout the year afternoon work in all courses will be replaced by class exercises.

The nature of the examinations shall be determined by each Department, subject to the approval of the Faculty. The student's credit may be based on his daily record of work, on a practical or written examination at the end of his course, or on both

FOURTH-YEAR ELECTIVES ARRANGED UNDER DEPARTMENTS

Anatomy

Anatomy 1. Prescribed course. Quarter-courses, monthly, throughout the year

Anatomy 2. Advanced Vertebrate Embryology. Half-course, all day, in a month to be arranged with the student.

Anatomy 3. Advanced Histology. Half-course, all day, one month, April.

Physiology

Physiology 1. Half-courses, or quarter-courses, forenoons, afternoons, or all day, June to January, afternoons, second half-year

Physiology 2. Investigation.

Comparative Physiology

Comparative Physiology 1. Half-courses, forenoons, afternoons, or all day, throughout the year, by special arrangement

Comparative Physiology 2. Physiology of the eye, ear, and upper respiratory tract. Afternoons, except Friday and Saturday, in December and January, by special arrangement

Biochemistry.

Biochemistry 1. Half-courses, forenoons, afternoons, or all day, June and July, October to May

Bacteriology.

Bacteriology 1. Half-courses, forenoons or afternoons, February and March

Pathology

Pathology 1. Half-courses or quarter-courses, all day, forenoons or afternoons, throughout the year

Pathology 2. Half-courses, all day, June and July, December to May

Pathology 3. Half-courses, mornings or afternoons, June to September, and second half-year.

Pathology 4. Half-courses, all day, during summer if arrangements can be made, February, March, April and May.

Comparative Pathology.

Comparative Pathology 1 Half-course, afternoons, August or September, and October

Comparative Pathology 2. Research

Comparative Pathology 3 Protozoology Quarter-courses, mornings, June, July, October and November.

Comparative Pathology 4 Helminthology. Quarter-courses, mornings, June, July and February

Preventive Medicine and Hygiene

Preventive Medicine and Hygiene 1 Half-course, all day, July and April

Pharmacology

Pharmacology. Half-course, all day, or quarter-courses, mornings or afternoons, in July and October.

Medicine.

Medicine 1 Full courses, all day, throughout the year, including summer

Medicine 2. Full courses, all day, throughout the year, including summer

Medicine 3 Full courses, all day, throughout the year, including summer

Medicine 4. Half-courses, all day, throughout the year, including summer

Tropical Medicine.

Opportunity for the study of tropical diseases, tropical entomology, tropical pathology, tropical bacteriology, and clinical laboratory work, may be taken by special arrangement with Professor STRONG or Dr. SELLARDS, who should be consulted by students desiring such courses.

Roentgenology.

Roentgenology 1. Quarter-courses, mornings, October, November, February, and March

Pediatrics

Pediatrics 1. Prescribed course. Half-courses, all day, throughout the year, including summer.

Pediatrics 2. Half-courses, all day, throughout the year, including summer.

Pediatrics 3. Half-courses, all day, throughout the year, including summer

Pediatrics 4. Half-courses, all day, throughout the year, including summer.

Surgery.

- Surgery 1 Clinical Clerk Service at the Brigham Hospital Half-courses, all day, for one month, throughout the year, including summer.
- Surgery 2 Clinical Work at Boston City Hospital
- Surgery 3 Clinical Clerk Service at the Massachusetts General Hospital Half-courses, all day, for one month, throughout the year, including summer
- Surgery 4 Clinical Clerk Service at the Children's Hospital Quarter-courses, afternoons, for one month, throughout the year, including summer
- Surgery 5 Genito-Urinary Surgery Half-courses, all day, or quarter-courses, forenoons, for one month, throughout the year, including summer
- Surgery 6 Genito-Urinary Surgery. Quarter-courses, forenoons, for one month, throughout the year, including summer.
- Surgery 7 Neurological Surgery. Half-courses, all day, for one month, throughout the year, if proper arrangements can be made

Orthopedic Surgery.

- Orthopedic Surgery 1. Prescribed course. Quarter-courses, afternoons, June to May
- Orthopedic Surgery 2. Quarter-courses, mornings, from June to April, inclusive

Obstetrics and Gynaecology.

- Obstetrics 1. Prescribed course Half-courses, all day, throughout the year, including summer.
- Gynaecology 1. Prescribed course Throughout the year, including summer
- Gynaecology 2. Half-courses or quarter-courses, forenoons, throughout the year, including summer.

Dermatology and Syphilology.

- Dermatology 1. Quarter-courses, forenoons, June, August, October, December, and February.
- Dermatology 2 Quarter-course, afternoons in January
- Dermatology 3. Half-courses, all day, June and August; October to May, inclusive.
- Syphilology 1. Quarter-courses, forenoons, throughout the year, beginning in July

DISEASES OF THE NERVOUS SYSTEM

Neuropathology

Neuropathology 1 Half-courses and quarter-courses, forenoons, afternoons, or all day, throughout the year, preferably second half-year

Neuropathology 2 Half-courses and quarter-courses, forenoons, afternoons, or all day, throughout the year

Neurology

Neurology 1 Quarter-course, forenoons, June, July, September, October and May

Neurology 2 Special.

Psychiatry

Psychiatry 1 Half-courses or quarter-courses, forenoons, or all day, throughout the year

Seminary in Diseases of the Nervous System

A voluntary weekly conference for all fourth-year students taking clectives in neuropathology, neurology, or psychiatry, and for graduate students taking allied courses, has been arranged by the heads of the departments mentioned. The exercises will be partly in the nature of reviews from recent literature, partly clinical or pathological demonstrations, and partly the presentation of theses and reports by students

Ophthalmology.

Ophthalmology 1 Prescribed course

Ophthalmology 2 Half-courses, forenoons

Ophthalmology 3 Quarter-courses, forenoons

Otology.

Otology 1 Prescribed course.

Otology 2 Quarter-courses, forenoons, June, and October to May

Otology 3 Half-courses, all day, throughout the year, including summer

Otology 4 Quarter-courses, afternoons, throughout the year, including summer

Laryngology

Laryngology 1. Prescribed course.

Laryngology 2. Quarter-courses, forenoons, throughout the year, including summer

Laryngology 3 Quarter-courses, forenoons, February, March and April.

COMBINED COURSE IN SPECIALTIES AND SURGICAL
ANATOMY

Two periods in the fourth-year course of each student will be devoted to a Combined Course

Gynaecology

Free Hospital for Women, Boston City Hospital, and Boston Dispensary, throughout the year

Laryngology

Massachusetts General Hospital

Ophthalmology and Otology

Massachusetts Charitable Eye and Ear Infirmary, throughout the year.

Orthopedic Surgery

Children's Hospital, or Massachusetts General Hospital, afternoons, throughout the year

Surgical Anatomy.

Harvard Medical School, afternoons, throughout the year

METHODS OF INSTRUCTION

A detailed account of the methods of instruction employed in the different subjects of study will be found in the special pamphlet issued by the Medical School, which can be obtained on application to the Dean of the Medical School, Boston, or at No. 2 University Hall, Cambridge

CLINICAL ADVANTAGES

The Medical Department of the University is established in Boston, in order to secure for Anatomy, Pathology, and the various clinical subjects, those advantages which are found only in large cities. The following clinics and hospitals of Boston are utilized extensively for clinical exercises for medical students, who are admitted freely to the out-patient departments, wards and operating rooms of these hospitals. —

The Peter Bent Brigham Hospital — This general hospital has been in active operation since February, 1913. The hospital is for general medical and surgical cases, and is situated on ground adjacent to the Medical School buildings. There are in all two hundred beds, and there is a medical and surgical out-patient department which is open for patients throughout the twenty-four hours. DR HENRY A. CHRISTIAN, Hersey Professor of the

Theory and Practice of Physic, and Dr. HARVEY CUSHING, Moseley Professor of Surgery, in the Harvard Medical School, have been appointed by the trustees of the Hospital Physician-in-chief and Surgeon-in-chief respectively.

The Collis P Huntington Memorial Hospital — This hospital, which has been erected by the Cancer Commission of Harvard University on the Medical School grounds, affords opportunity for the study of human tumor cases, with the advantage of a close approximation of clinical and laboratory facilities. The aim of the hospital is the study of special problems with the view of adding to the knowledge of the natural history and the rational treatment of tumors, and also to be of public service in affording means for early diagnosis and in carrying out treatment or giving advice regarding therapeutic measures. Accommodations are provided for twenty-five in-patients, out-patients are also received at stated hours.

During the past year, two hundred and fifty-five new patients were cared for in the wards of the hospital and eight hundred and five patients were seen as out-patients.

The Massachusetts General Hospital — During the past year, six thousand five hundred and seven patients were treated in the wards, five thousand one hundred and twenty-three patients were treated in the Accident Ward, and there were two hundred and one thousand three hundred and seventy-five visits to the out-patient departments. Patients are received from all parts of the United States and the Provinces, and are visited by the students, with the attending physicians and surgeons, or demonstrated in the amphitheatres. Operations are numerous, and are performed in the surgical building. Last year there were four thousand and ninety-four operations in the house and two thousand seven hundred and eighty-eight in the out-patient department and Accident Ward. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngology, Diseases of the Nervous System, Children's Diseases, Orthopedic Surgery, Diseases of the Genito-Urinary System, and Syphilology. Two Dalton scholarships, of \$500 each, are open annually to the house pupils.

The Boston City Hospital — During the past year, twenty-one thousand nine hundred and sixty-two cases were treated in its wards, and there were two hundred and three thousand three hundred and fourteen visits in its various out-patient departments. The medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds are excellent, since, on an average, fifty thousand street accidents are treated yearly. Surgical operations are performed in the amphitheatre. There are

special services for diseases of women, of the eye, the ear, the skin, the nervous system, the nose and throat, genito-urinary system, and the bones and joints. Diseases of women and of the nervous system are also largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons two or more times a week.

In this hospital, the facilities for witnessing Operative Surgery are unsurpassed. Twice a week operations are performed in the presence of the class. The number of these operations is large, reaching over seven thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

The Boston Lying-in Hospital. — More than eight hundred patients were delivered during the last year in the hospital. In the out-patient department, over one thousand six hundred and thirty-two cases were attended by the hospital Externes, who are appointed from the third and fourth-year students. Clinical instruction is given in these cases by the physicians to out-patients, by the house physicians, and by the Alumni Assistant.

The Boston Dispensary. — Over one hundred and nineteen thousand visits were made by out-patients at this charity during the past year. Students have ample and excellent opportunity for seeing practical work in the diagnosis and treatment of cases illustrating the various branches of Medicine and Surgery. The opportunities in children's work are unusually good, as over one-third of the out-patients are children and there is, in addition, a well-equipped Hospital for Children, with twenty-six beds chiefly for medical cases.

Infants' Hospital (Rotch Memorial Building) — The wards of the hospital are devoted entirely to the medical care of infants. The material of the hospital is used throughout the year for teaching both students and graduates. Sixty-two beds.

The Children's Hospital. — In April, 1914, the new buildings of the hospital on Longwood Avenue, adjacent to the Harvard Medical School, were opened. During the past year more than three thousand two hundred and sixty-nine cases were treated in the wards and over forty-four thousand four hundred and five visits were made to the out-patient departments. Instruction in pediatrics, surgery, and orthopedic surgery is given by members of the hospital staff.

The McLean Hospital. — During the past year a daily average number of two hundred and nine patients, received from all parts of the country, were under treatment. Advanced methods of treatment are employed, including physical exercise, occupation, massage, hydrotherapy, etc., applied by persons expert in these methods. In the laboratories, pathological, chemical,

and psychological work is carried on in immediate connection with the clinical studies and treatment of cases. There is a good special library of works in psychiatry and neurology, and a large list of American and foreign journals available for study. Clinical conferences are regularly held by the Medical Staff for the discussion of all cases admitted, including a study of the history, diagnosis, prognosis, and treatment of each case. These exercises and clinical demonstrations in the wards are available for a limited number of students.

The Boston State Hospital — During the past year four thousand and eighty-three patients were under treatment. Clinical instruction is given at the Psychopathic Department, Fenwood Road, in general clinics to medical students, and there are in addition facilities for the special study of cases by students taking elective courses. Besides regular commitments, emergency, voluntary, and temporary care cases are received, the whole number of patients admitted last year was two thousand five hundred and thirty-nine, including many instructive examples of the various forms of mental disease.

The Psychopathic Hospital — This is a state institution for acute, curable, incipient, and doubtful cases of mental disease (not for committed cases, which latter go directly to the wards of the Boston State Hospital), situated on Fenwood Road, two blocks removed from the Medical School grounds. The hospital was opened to patients in June, 1912. It has one hundred beds, and receives patients at the rate of about two thousand a year. This large admission rate insures the presence at all times in the hospital wards of a varied clinical and pathological material. The out-patient department receives patients at the rate of over fifteen hundred a year. The State Commission on Mental Diseases has provided laboratories in the building.

The Massachusetts Charitable Eye and Ear Infirmary — About seventy thousand visits are made yearly by patients in the out-patient department and thirty-six hundred are treated in the wards, affording an opportunity to observe every variety of eye and ear diseases, together with daily operating. The services are so arranged that it is possible to easily follow the patient through his entire course of treatment both in the wards and out-patient department.

The Free Hospital for Women — This hospital is devoted exclusively to the surgical treatment of the diseases peculiar to women. The hospital has a capacity of sixty-three beds. Operations are performed on Tuesdays, Wednesdays, and Thursdays, throughout the morning. Physicians and medical students are invited to attend the operations and the medical ward visits with the Visiting Surgeon. Out-patient clinics are held every day in the week, beginning at nine o'clock in the morning. The clinics average

from fifteen to thirty in attendance. Post-graduate courses in gynaecological examinations are given in these clinics. A well-equipped laboratory is connected with the institution where instruction in gynaecological pathology is given. A library containing the principal works on gynaecology is available for the use of students and visiting physicians.

LIBRARIES

Libraries in the Administration Building and in three of the laboratory buildings contain the literature of the subjects taught in this School. These libraries are open daily and contain about 29,400 volumes, 51,690 pamphlets, and receive 277 current periodicals.

The College Library at Cambridge is open to the students of this School.

The Boston Public Library is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Bursar's office, or deposited with the Bursar the sum of fifty dollars, may also use this Library. The Bursar will furnish on application the necessary certificate of bond or deposit.

The Boston Medical Library, No. 8 The Fenway, contains about 84,000 bound volumes and 56,000 pamphlets, and nearly 650 current periodicals are on file. This very valuable Library is open to those who desire to consult medical literature, on week days from 9 30 A. M. to 10 P. M., on Saturdays till 6 P. M.

WARREN ANATOMICAL MUSEUM

The Warren Anatomical Museum was founded in 1847 by JOHN COLLINS WARREN of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1800 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son to JOHN WARREN, the first Hersey Professor of Anatomy and Surgery. This important Museum is open to students in the School, and its collections are used in demonstration of the lectures. It occupies the upper three floors of the Administration Building. Its Curator is Dr. WILLIAM FISKE WHITNEY.

The collection has about ten thousand specimens, illustrating both normal and pathological anatomy. Students may have access to these specimens at any time upon application to the Curator.

Besides dissections and serial sections of many bones, the anatomical collection includes many corrosion preparations, plaster and papier maché models of bones, organs, and various parts of the body, and frozen sections.

The pathological collection is being constantly enlarged by the addition of numerous specimens, many of them preserved in their natural colors.

The American Ambulance of Paris has contributed a large number of specimens, from the European War, showing the effects of bullet wounds.

of the head and extremities, and lesions of "gas gangrene" Also photographs of apparatus and the results of operation The whole forms a most valuable collection, especially for a student of military surgery.

HOSPITAL APPOINTMENTS

About eighty appointments as Internes and Assistants are made annually to hospitals in and about Boston for terms of service varying from six months to two years These appointments are made after a competitive examination In recent years almost every graduate of the Harvard Medical School desirous of hospital experience has obtained an appointment in some one of these hospitals.

THE CANCER COMMISSION OF HARVARD UNIVERSITY

The Cancer Commission of Harvard University was founded in 1899 by the late Mrs. Caroline Brewer Croft, who left in her will a sum of money for the investigation of the cause and treatment of cancer. Dr J Collins Warren and Dr. Henry K. Oliver were the trustees of this fund. Since that time other sums have been contributed for cancer research and the Cancer Commission of Harvard University was organized in 1909, consisting of the following members J Collins Warren, M D, Chairman, Henry K. Oliver, M.D., and J Collins Warren, M.D, for the Caroline Brewer Croft Fund, Henry P. Walcott, M D, and Arthur T Cabot, M D, for the Corporation of Harvard College; William T. Councilman, M D, and Theobald Smith, M.D, for the Harvard Medical School To fill the vacancy caused by the death of Dr. Arthur T. Cabot, Dr Edward H Bradford was appointed in 1912; on the resignation of Dr Theobald Smith, Dr. E. E Tyzzer was appointed in 1916 Mr. Arthur Adams is Treasurer, Dr Robert B Greenough, Director, and Dr. Channing C. Simmons, Secretary of the Commission.

Under this Commission research on cancer problems has been carried on, and eight reports of research work have been published. Investigations were carried on in the laboratories of the Harvard Medical School and at the Massachusetts General Hospital until April, 1912, when the Collis P. Huntington Memorial Hospital (page 428) was completed The work of the Cancer Commission is at present carried on in the laboratories of the Harvard Medical School and in the Huntington Hospital.

HARVARD INFANTILE PARALYSIS COMMISSION

A Commission for the purpose of assisting in the early recognition, treatment, and study of infantile paralysis was appointed by the Corporation, September 25, 1916. The Commission consists of Dr. Robert W. Lovett

(Chairman), Professor of Orthopedic Surgery; Dr Milton J Rosenau, Professor of Preventive Medicine and Hygiene, Dr Francis W Peabody, Assistant Professor of Medicine, and Roger Pierce (Secretary)

Shortly thereafter, the members of the Harvard Infantile Paralysis Commission were appointed agents of the State Department of Health, thereby assuring cooperation between the Commission and the Commonwealth. This action widely increased the purposes and also the responsibilities of the Commission, in that it at once took cognizance of the disease and its after-effects throughout the state. The work of the Commission is being prosecuted along three lines, — Dr Peabody directs the early diagnosis and treatment of acute cases, Dr Lovett directs the problem of after-care of the paralytics, and, under the supervision of Dr Rosenau, studies are being made of the cause, mode of transmission, period of incubation, and other unsolved problems relating to the disease. The Commission is supported wholly by public subscription.

FELLOWSHIPS AND SCHOLARSHIPS

FELLOWSHIPS

BULLARD FELLOWSHIPS In 1891, WILLIAM STORY BULLARD, of Boston, gave the sum of fifteen thousand dollars for the establishment of three fellowships of five thousand dollars each "in memory of three physicians who were distinguished for their honorable personal character and for their professional services in this community." Accordingly the three following fellowships were established —

THE GEORGE CHEYNE SHATTUCK MEMORIAL FELLOWSHIP.

THE JOHN WARE MEMORIAL FELLOWSHIP.

THE CHARLES ELIOT WARE MEMORIAL FELLOWSHIP

The income of the first two is two hundred and fifty dollars each, and of the last, two hundred and seventy-five dollars.

The income from any one or all of these fellowships may be paid to any student or member of the medical profession who shall be selected by the Administrative Board of the Medical School to make such original investigations in Medical Science as in their opinion will be most useful to the profession and to the community. The results of such investigations shall not, however, be published as a research performed under the grant of a Bullard Fellowship, unless the work shall have received the approval of the Committee. If published with the approval of the Committee, mention shall be made of the fact that the work was done under a Bullard Fellowship.

Holders of Bullard Fellowships are required to do an amount of work equivalent to not less than ten hours a week throughout the academic year

and to present to the Committee at the end of the academic year a report on the amount and result of the work performed

Applications for the Bullard Fellowships must be handed to the Dean on or before May 1

THE JAMES JACKSON CABOT FELLOWSHIP, with an income of three hundred and fifty dollars In 1906, Arthur T Cabot, Samuel Cabot, and Guy C Cabot gave six thousand dollars to establish the James Jackson Cabot Fund in the Medical School In 1912 Guy C Cabot added four thousand dollars to this fund The income remaining after adding a certain percentage to the principal each year is preferably, but not necessarily, to be used for a fellowship "to aid and encourage practical work in scientific medicine"

CHARLES FOLLEN FOLSOM TEACHING FELLOWSHIP In 1908 eleven thousand eight hundred and forty-three dollars and sixty-four cents was given by more than sixty persons in memory of Charles Follen Folsom, A B 1862, M D 1870, Lecturer on Hygiene, 1877-79, on Hygiene and Mental Diseases, 1879-80, on Mental Diseases, 1880-82, Assistant Professor of Mental Diseases, 1882-85, and Overseer, 1891-1903 It was the desire of the givers that there be established in the Medical School a Charles Follen Folsom Teaching Fellowship in Hygiene or in Mental and Nervous Diseases, and that the incumbent receive the annual income of the fund, or such part of it as may be consistent with the standing rules of the Corporation in such cases This fellowship, with an income of six hundred dollars, has been assigned to the Department of Hygiene until the further order of the President and Fellows.

HENRY P WALCOTT FELLOWSHIP IN CLINICAL MEDICINE; with a stipend of one thousand two hundred dollars. Founded in 1910 by **FREDERICK CHEEVER SHATTUCK, A M., M.D., LL.D** "The income to provide for the support of a Fellow in Clinical Medicine, who shall receive his appointment from the Corporation on nomination by the Jackson Professor of Clinical Medicine, who, while the holder of the Fellowship, shall not engage in private practice but devote his time to teaching and clinical research work."

WILLIAM O MOSELEY, JR, TRAVELLING FELLOWSHIPS; two, with a stipend of one thousand eight hundred and fifty dollars each, for the purpose of studying medicine in Europe. In January, 1912, Mrs William O Moseley left a bequest of seventy-four thousand dollars to establish two travelling Fellowships, to be granted annually to two men who have attended the Harvard Medical School for three or four years, and who have given evidence of their diligence and ability, the election of such men to be made by the President and proper officers connected with the Medical School. Applications for these Fellowships must be handed to the Dean on or before May 1st.

ARTHUR TRACY CABOT FELLOWSHIP In 1913, Dr and Mrs Frederick C Shattuck gave twenty-five thousand dollars for the establishment of a Fellowship in Surgery in memory of Arthur Tracy Cabot, M D , of the Class of 1872, Fellow of the Corporation The holder of the Fellowship is not ordinarily to engage in active private practice while holding it but to devote himself to the advancement of Surgery whether in the United States or elsewhere. The nomination to this Fellowship is by preference to be in the hands of the Moseley Professor of Surgery

AUSTIN FELLOWSHIPS Six teaching fellowships, of five hundred dollars each, have been established from the income of the Austin Fund and assigned to the Medical School

HERBERT L BURRELL FUND The income of this Fund, amounting to two hundred and sixty dollars annually, is to be devoted to the furtherance, directly or indirectly, of the art and science of surgery The special disposition of the income of this fund is subject to recommendations of the Dean of the Harvard Medical School

PROCTOR FUND A bequest of fifty thousand dollars by Ellen Osborne Proctor for the purpose of promoting the study of chronic diseases The income of this fund is to be devoted to the care in hospital of persons afflicted with chronic disease, and to investigations into the nature and treatment of the same The special disposition of the income of this fund is under the control of the heads of the departments of Theory and Practice of Physic, Clinical Medicine, and Pathology.

WILLIAM II THORNDIKE FUND The income of this fund, amounting to two hundred and sixty dollars annually, is to be devoted to the furtherance, directly or indirectly, of the art and science of surgery The special disposition of the income of this fund is subject to recommendations of the Dean of the Harvard Medical School

SCHOLARSHIPS

The Cheever and Haven Scholarships are awarded to students of the first-year class The Hayden Scholarship may be so awarded. All the other Scholarships are awarded to members of the three upper classes

EDWARD M. BARRINGER SCHOLARSHIPS From the estate of Edward M Barringer, of Schenectady, N. Y, thirty thousand two hundred and thirteen dollars and forty-nine cents has been received as his residuary bequest establishing the "Edward M. Barringer fund" "And I direct that the said 'President and Fellows' forever maintain from the income of said rest and residue (if the same shall be sufficient) two scholarships for students in said

Medical School, the annual amount or value of such scholarships to be fixed from time to time by the said President and Fellows in their best discretion but at not less than \$300 and \$200 respectively, and with such conditions as to them shall seem best, to be called respectively 'Edward M Barringer Scholarship No 1,' and 'Edward M Barringer Scholarship No 2' " These scholarships, with the incomes named above, are awarded to deserving students, preferably those of the fourth class

THE MATTHEW AND MARY E BARTLETT SCHOLARSHIP, with an income of four hundred and twenty-five dollars. Founded by Miss Fannie Bartlett of Boston, in memory of Matthew and Mary E Bartlett, for the benefit of a worthy and meritorious student who is in need of financial assistance

LUCIUS F BILLINGS SCHOLARSHIP, with an income of two hundred and fifty dollars, was founded in 1900 from a bequest under the will of Lucius F Billings The income may be divided between two or more students

THE JOHN WHITE BROWNE SCHOLARSHIP, with an income of eight hundred and twenty-five dollars Established under the will of Mrs Francis B. Greene in 1918 By a vote of the President and Fellows of Harvard College, this Scholarship is to be awarded by the Dean of the Medical School to a student of unusual promise, to enable him to pursue his research investigations for a year at the Harvard Medical School or elsewhere

DAVID WILLIAMS CHEEVER SCHOLARSHIP, with an income of two hundred and seventy-five dollars, was founded in 1889 by David Williams Cheever, M.D., LL.D., of Boston, of the Class of 1852 It is to be awarded to a poor and meritorious student of the first year, after three months' probation in the Medical School

ORLANDO W. DOE SCHOLARSHIP The bequest of Orlando Witherspoon Doe (A.B. 1865, M.D. 1869) was five thousand dollars. One-half of the income derived therefrom, amounting to one hundred and fifty dollars, "is to be given annually as a scholarship to a deserving student in the Medical department."

JOSEPH EVELETH SCHOLARSHIPS. Three Scholarships with an annual income of two hundred dollars each. Founded from the residuary bequest of thirty-seven thousand eight hundred and ninety-seven dollars and fourteen cents, made by Joseph Eveleth, of Boston, "for aiding deserving and indigent young men in obtaining an education in said College or any of the schools connected therewith." Three Scholarships on this foundation have been assigned to the Harvard Medical School

GEORGE HAVEN SCHOLARSHIPS, with an income of eleven hundred dollars, were founded in 1913 from a bequest under the will of George Haven, the income to be used annually for scholarships to deserving students of the first year in the Medical School, the amount of such scholarships to be at the discretion of the Scholarship Committee

THE LEWIS AND HARRIET HAYDEN SCHOLARSHIP for colored students was founded in 1894 from a bequest of Mrs Harriet Hayden The income, two hundred and seventy-five dollars, may be divided between two or more students

HILTON SCHOLARSHIPS Two Scholarships, with an income of two hundred and twenty-five dollars each, were founded in 1897 from a bequest of William Hilton

WILLIAM OTIS JOHNSON SCHOLARSHIP, with an income of two hundred dollars, was founded in 1912 from a bequest under the will of Mrs William O Johnson, in memory of her husband, William Otis Johnson, M D , of the Class of 1845

CLAUDIUS M JONES SCHOLARSHIP, with an income of three hundred and twenty-five dollars, is from a bequest of six thousand dollars by Claudius Marcellus Jones, of the Class of 1866, M D 1875

ALFRED HOSMER LINDER SCHOLARSHIP, with an income of two hundred and fifty dollars, was founded in 1895 by Mrs George Linder. It is to be awarded to a needy student who shall have proven himself to be of sound principles and marked ability

THE JOSEPH PEARSON OLIVER SCHOLARSHIP, with an income of four hundred and twenty-five dollars, was founded in 1904 by patients of the late Joseph Pearson Oliver, M D 1871, to be awarded "to such needy and deserving student of the Medical School as the Administrative Board shall annually recommend."

CHARLES B. PORTER SCHOLARSHIP, with an income of two hundred and seventy-five dollars, was founded in 1897 from a bequest of five thousand dollars by William L. Chase.

CHARLES PRATT STRONG SCHOLARSHIP, with an income of two hundred and fifty dollars, was founded in 1894 by friends and patients of the late Charles Pratt Strong, of the Class of 1876, M.D. 1881

ISAAC SWEETSER SCHOLARSHIP, with an income of three hundred and twenty-five dollars at present, was founded in 1892 by Mrs. Anne M. Sweetser. The income is to be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession "

THE JOHN THOMSON TAYLOR SCHOLARSHIP, with an income of two hundred and fifty dollars, was founded in 1899 by Mrs Frederic D Philips in memory of her brother, John Thomson Taylor, who died in 1889 He was a student of the Medical School from 1887 to 1889

EDWARD WIGGLESWORTH SCHOLARSHIP, with an income of two hundred and fifty dollars, was founded in 1897 by the family of the late Edward Wigglesworth, of the Class of 1861, M D 1865, the yearly income of the fund to be paid to a needy and deserving student of the Medical School whom the Administrative Board shall recommend

FRANCIS SKINNER FUND A fund of five thousand dollars was established in 1905, the income of which shall be placed at the disposal of the Dean of the Medical School to be used by him in small sums to meet the urgent needs of meritorious students in the payment of term-bills or other expenses Two hundred dollars is available annually.

This fund remained as an anonymous gift until 1908, when by vote of the President and Fellows of Harvard College it was named the Francis Skinner Fund in honor of the late Francis Skinner, Esq, the donor

FREDERIC SHURTLEFF COOLIDGE FUND Through the gift of Mrs Frederic S Coolidge a fund of five hundred dollars has been established of which both the interest and the principal are to be used for the aid of deserving students in the Medical School

COTTING GIFT. The income of a fund received from the late Dr Benjamin E. Cotting will be given to such medical student or students as the Administrative Board may select, having regard to the pecuniary needs, intellectual capacity, faithfulness and earnest endeavor, rather than to highest scholarship merely. The amount to be awarded annually will be one hundred and fifty dollars.

JOHN FOSTER FUND The income of the John Foster Fund, amounting to about one hundred and fifty dollars, is available in alternate years in the Law School and in the Medical School, for one or more meritorious students needing assistance The next assignment in the Medical School will be made in 1918.

THE LOAN FUND OF THE MEDICAL CLASS OF 1879. The Medical Class of 1879 has given the sum of \$436 79 to be used as a loan fund to aid any student or students in the Medical School in accordance with the request of the Class, or, in the absence of such request, under the direction of the Faculty of Medicine.

Fellowships and Scholarships available in other Departments of the University as well as in the Medical School

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS AND SCHOLARSHIPS *The income of this Fund is available for holders of any degree from Harvard University For further particulars, see page 294*

THE VICTOR EMANUEL CHAPMAN MEMORIAL FELLOWSHIP, with an income at present of eleven hundred and twenty-five dollars Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-five thousand dollars in memory of VICTOR EMANUEL CHAPMAN, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while a member of the Flying Corps of the French Army This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University For further particulars, see page 298

THE WILLIAM STANISLAUS MURPHY SCHOLARSHIPS, two hundred and fifty dollars each. These scholarships, founded by WILLIAM STANISLAUS MURPHY, of the Class of 1885, are to be used for the collegiate education of men of the name of Murphy who, in the judgment of the Faculty, prove deserving of this kind of encouragement These scholarships are available for students in any department of the University

Applications should be made to Dean L B R BRIGGS, the Chairman of the Committee on General Scholarships and on the Sheldon Fund

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP, with an income of four hundred dollars, "to be offered each year to a graduate of an Iowa College or University, in any of the graduate or professional departments of Harvard University" The terms of gift are quoted further on page 268.

THE PRINCETON FELLOWSHIP, with a stipend of four hundred and fifty dollars From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

THE JAMES A. RUMRILL SCHOLARSHIP, with an income at present of two hundred and twenty-five dollars. This Scholarship, founded in 1909 by Mrs JAMES A. RUMRILL, in memory of her husband, JAMES AUGUSTUS RUMRILL, of Springfield, Mass., of the Class of 1859, will be offered each year to a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee or Kentucky The terms of gift are quoted further on page 314

These scholarships and gratuities are awarded to such men among those applying for and needing assistance as give evidence of having done the best work either in this School or in a preparatory course elsewhere.

Students who have not been able to obtain scholarships often find time and opportunity to do outside work of various kinds in the city.

BOYLSTON MEDICAL PRIZES

These prizes, which are *open to public competition*, are offered for the best dissertation on questions in medical science proposed by the Boylston Medical Committee

For 1918 there is offered a prize of three hundred dollars and the Boylston Prize Medal, for the best dissertation on the results of original research in medicine, the subject to be chosen by the writer. The Boylston Prize Medal will be added to the money prize only in case the winning essay shows special originality in the investigations detailed.

Dissertations entered for this prize must be in the hands of the Secretary, H. C. ERNST, M D, Harvard Medical School, Boston, Mass, on or before December 31, 1918.

In awarding these prizes, preference will be given to dissertations which exhibit original work, but if no dissertation is considered worthy of a prize, the award may be withheld

Each dissertation must bear, in place of the author's name, some sentence or device, and must be accompanied by a sealed packet, bearing the same sentence or device, and containing within the author's name and residence.

Any clew by which the authorship of a dissertation is made known to the Committee will debar such dissertation from competition

Dissertations must be printed or typewritten, and their pages must be bound in book form

All unsuccessful dissertations are deposited with the Secretary, from whom they may be obtained, with the sealed packet unopened, if called for within *one year* after they have been received

By an order adopted in 1826, the Secretary was directed to publish annually the following votes. —

1. That the Board does not consider itself as approving the doctrines contained in any of the dissertations to which premiums may be adjudged.
- 2 That, in case of publication of a successful dissertation, the author be considered as bound to print the above vote in connection therewith.

The Boylston Medical Committee is appointed by the President and Fellows of Harvard College, and consists of the following physicians: WILLIAM F. WHITNEY, M D., *Chairman*; HAROLD C. ERNST, M D., *Secretary*; WILLIAM T. PORTER, M.D, HENRY A. CHRISTIAN, M.D, EDWARD H. NICHOLS, M.D., JOHN WARREN, M.D., REID HUNT, M D.

The address of the *Secretary* of the Boylston Medical Committee is HAROLD C. ERNST, M.D., Harvard Medical School, Boston, Mass.

Otological Prize — For the best preparation illustrating the osseous anatomy of the ear or for the best thesis showing original work on an otological subject, a prize of twenty-five dollars is offered, open to fourth-year students

Other Prizes — The Bowdoin, Dante, Sumner and Toppan Prizes, offered by the Faculty of Arts and Sciences, are open to students in all departments of the University. Full particulars in regard to these prizes may be found on pages 243 and 290-293.

GRADUATE SCHOOL OF MEDICINE

On October 1, 1912, graduate instruction in medicine was organized as a Department of the Faculty of Medicine of Harvard University, with a separate Dean and Administrative Board.

For further information and full description of the courses and lectures for graduates, address the Dean of the Graduate School of Medicine, Harvard Medical School, Longwood Avenue, Boston, Mass

DENTAL SCHOOL

The Harvard Dental School was instituted by vote of the President and Fellows of Harvard College, July 17, 1867.

The degree of DOCTOR OF DENTAL MEDICINE is given, on recommendation by the Faculty of Medicine, on the completion of the four years' course. The degree is given in two grades (see page 445).

It is the object of the Faculty to present a complete course of instruction in the theory and practice of Dentistry, and for this purpose a well-appointed laboratory and infirmary are provided, and such arrangements made as ensure an ample supply of patients. Clinical instruction is given by the professors and other instructors, and, under the direction of demonstrators, patients are assigned to the students, ensuring to all opportunity of operating at the chair, and becoming by actual practice familiar with all the operations demanded of the dentist.

Students have access to the hospitals of the city, and are assigned to service in the Massachusetts General Hospital.

ADMINISTRATIVE BOARD

EUGENE HANES SMITH, D.M.D., DEAN, and *Professor of Clinical Dentistry*.
CHARLES ALBERT BRACKETT, D.M.D., *Professor of Dental Pathology*.
GEORGE HOWARD MONKS, M.D., M.R.C.S., *Professor of Oral Surgery*.
WILLIAM HENRY POTTER, D.M.D., *Professor of Operative Dentistry*.
WILLIAM PARKER COOKE, D.M.D., *Professor of Prosthetic Dentistry*.
AMOS IRVING HADLEY, D.M.D., *Instructor in Inlay Work*.
GEORGE HENRY WRIGHT, D.M.D., *Lecturer on Oral Hygiene*.
LEROY MATTHEW SIMPSON MINER, D.M.D., M.D., *Assistant Professor of Oral Surgery*.
FRANK T. TAYLOR, D.M.D., *Instructor in Operative Dentistry*.
FRED A. BECKFORD, D.M.D., *Assistant Professor of Prosthetic Dentistry*.

ADMISSION TO THE DENTAL SCHOOL

All candidates for admission holding a degree in letters, science, or medicine, from a recognized college or scientific school, or who have passed an examination for admission to Harvard College or any other reputable college of letters, or who have passed the examinations of a four years' course in a

reputable high school,* are admitted without examination. All other candidates must pass an examination.

All candidates, whether presenting a degree or not, are required to satisfy the Administrative Board that they have had a course in Theoretical and Descriptive (Inorganic) Chemistry sufficient to fit them to pursue the courses in Chemistry given at the School, or, failing in this, to pass an examination in General Chemistry. Special arrangements may be made for taking a course in elementary Chemistry in September previous to entering the School.

The entrance and first-year examinations will be allowed to foreign students who have passed *equivalent* examinations abroad, upon presentation of proper certificates from the examining boards vouching for the facts.

A certificate of having passed the examination for admission will admit a student to this School only so long as the entrance requirements remain the same.

Students who have had a preliminary training equivalent to the requirements for admission to this School, and who began their professional studies in other recognized dental schools, may be admitted to advanced standing; but all persons who apply for admission to the advanced classes must furnish a satisfactory certificate of time spent in dental or medical studies, and must pass examinations in the branches already pursued by the class to which they seek admittance.

Graduates of recognized dental schools and reputable practitioners of dentistry who have never received a degree will be admitted without examination to the courses in Operative and Prosthetic Dentistry, but attendance on such courses does not entitle a student to examination for the degree. A certificate of attendance will be furnished when desired.

Applicants for advanced standing who have attended any of the schools holding membership in the Dental Faculties Association of American Universities will be given credit for examinations passed in those schools.

The schools holding membership in this Association are the Thomas W. Evans Museum and Dental Institute School of Dentistry, University of Pennsylvania, University of Michigan, School of Dentistry, University of Iowa, School of Dentistry, University of Minnesota, School of Dentistry, University of California, School of Dentistry, Washington University Dental School, St. Louis, Mo., Harvard University Dental School.

EXAMINATIONS FOR ADMISSION

Candidates who are obliged to take examinations for admission to the Dental School will take the examinations of the College Entrance Exami-

* The course must have included the subjects required for entrance to this School, or their equivalents. The grade attained in these subjects will be considered in each case.

nation Board at the times and places designated for those examinations and under the regulations prescribed for admission to Harvard College (see pp. 172-179)

STUDIES IN WHICH EXAMINATIONS ARE HELD

Examinations for admission to the Dental School will be held in the following subjects. Each candidate must offer studies amounting to 16 units. Sections 1, 2, 3, 4, 5 are required. Electives may be chosen from Section 6.

The figure attached to each study indicates the relative value (termed units) which will be given to it in determining the question of the candidate's fitness for admission.

- 1 English (3)
- 2 Physics (1)
- 3 Latin (3) or French (2) and History (1)
or German (2) and History (1)
or Spanish (2) and History (1)
4. Theoretical and Descriptive (Inorganic) Chemistry (1)
- 5 Algebra (1½)

In addition he will be obliged to offer sufficient additional subjects chosen from the list below to make up the total of 16 units required.

- | | |
|---------------------------------|-------------------------------|
| 6. Advanced Latin (1) | Biology (1), |
| Advanced French (1) | or Botany (½), or Zoology (½) |
| Advanced German (1) | Geography (½) |
| Advanced Algebra (½) | American History (½) |
| Plane Geometry (1) | Civil Government (½) |
| Solid Geometry (½) | Freehand Drawing (½) |
| Logarithms and Trigonometry (½) | Mechanical Drawing (½) |

The examination in Theoretical and Descriptive (Inorganic) Chemistry will be given at the Harvard Dental School.

METHODS OF INSTRUCTION

A detailed account of the methods of instruction in the various subjects of study and a list of text-books employed in the courses and books recommended for collateral reading will be found, with other important information, in the special pamphlet issued by the School. This pamphlet can be obtained at No. 2 University Hall, Cambridge, or by application to the Dean of the Dental School, Longwood Avenue, Boston, Mass.

REQUIREMENTS FOR THE DEGREE

The degree of DOCTOR OF DENTAL MEDICINE (*Dentariae Medicinae Doctoris*) may be conferred upon any candidate of adult age, and of good moral character, who has passed *all the required examinations*. He must also give evidence of having studied dentistry in some recognized school four full years, the last continuous year of which must have been spent at this School. Candidates who have studied medicine may be admitted to advanced standing, but in all cases must pursue the study of dentistry for two full years in this School.

The degree of Doctor of Dental Medicine *cum laude* will be given to candidates who have pursued a complete four years' course in this School and obtained not less than eighty per cent in Practical Operative and Prosthetic Dentistry and an average of eighty per cent or over in all other required examinations.

The course is a graded one of four continuous years. *Graduates* from other Dental Schools holding membership in the Dental Faculties Association of American Universities may obtain the degree of Doctor of Dental Medicine by spending one year in the School and passing the required examinations.

Candidates for the degree are obliged to apply for the same in writing, on blanks furnished at the Dean's office, on or before *May 1* of the year in which they propose to graduate.

FEES AND EXPENSES

There are no fees for matriculation, for the diploma, or for the demonstrators. For the first year of a student's membership in the School, the tuition fee is *two hundred dollars*, in two payments of *one hundred and twenty dollars* and *eighty dollars*, for the second and third years, *one hundred and fifty dollars* each, in two payments of *ninety dollars* and *sixty dollars*; and for any subsequent year, *fifty dollars*. Beginning with the academic year 1920-21 the tuition fee of the fourth year will be *one hundred and fifty dollars*.

During the first year there are the following additional expenses: Three dollars for each of the two parts required for dissection, three dollars for laboratory materials in Histology, ten dollars for Biology; and fifteen dollars for chemical material, in addition to the charge for breakage of glass apparatus. Students are required to deposit with the Bursar* six dollars to cover Anatomy charges, three dollars for Histology, ten dollars for Biology, and twenty dollars for Chemistry. During the second, third and fourth years a deposit of ten dollars is required for laboratory and infirmary materials in addition to a charge for loss and breakage of appliances. In the

* The Bursar's office is in Dane Hall, Harvard Square, Cambridge. Hours, 9-1

second year there is also a fee of ten dollars for Chemistry, three dollars for Bacteriology, and three dollars for Oral Anatomy.

A deposit of two dollars with the Dean of the Medical School will entitle a student to the use of a locker in the Medical School buildings during the first year.

A student who wishes to rent a microscope of the School can do so upon payment of three to six dollars a half-year

Special students, admitted to the courses in Operative and Prosthetic Dentistry, for the whole or any portion of the academic year, pay a fee of *fifty dollars* for each course

The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. A list of boarding places, at various prices, can be obtained at the rooms of the Young Men's Christian Association, 316 Huntington Avenue, and the rooms of the Young Men's Christian Union, No. 48 Boylston Street, Boston.

Students' expenses may also be reduced by occupying rooms in the College Dormitories in Cambridge. Information in regard to College rooms may be obtained after March 6 upon application to the Bursar.

At the Union, Cambridge, the cost of board is expected not to exceed \$6.25 a week. For notice in full, see "Dining Associations," page 154.

At Foxcroft Hall, Cambridge, meals are served *à la carte*, at a cost which may be made as low as \$3.50 a week. Application should be made early to the Auditor, Foxcroft Hall.

Any student who lives in a College room, or boards at the Union or at Foxcroft Hall, must file a bond in the sum of *four hundred dollars*, or deposit *four hundred dollars* in money or United States Bonds, or deposit fifty dollars as security, pay his tuition-fees in advance as above, pay in advance the full year's rent of any room that may be assigned to him, and make a deposit with the Bursar as security for the payment of his board. In the case of the Union the deposit for board may be made each week at the rate of \$6.00, or it may be made less frequently in multiples of that figure. In the case of Foxcroft Hall, the deposit, made in sums of \$5.00 or multiples thereof, must be such as to maintain constantly in the Bursar's hands a balance in excess of ten dollars.

STILLMAN INFIRMARY FEE

Not later than October 1 in each academic year, any student may pay to the Bursar the sum of four dollars for the maintenance of the Stillman Infirmary; and, on the order of a physician, every student who has taken advantage of this opportunity will be given, in case of sickness, in return for the fee, a bed in a ward, board, and ordinary nursing for a period not exceeding two weeks in any one academic year.

PAYMENT OF FEES

Each first-year student is required to pay to the Bursar punctually at the beginning of the academic year, without the presentation of a bill, the sum of one hundred and fifty-nine dollars, in like manner, each second-year student is required to pay one hundred and sixteen dollars, and each third and fourth-year student, one hundred dollars, each student entering any subsequent year is required to pay, in the same manner, fifty dollars. The remainder of the tuition-fee — eighty dollars for the first-year students and sixty dollars for the second, third, and fourth-year students — must be paid to the Bursar on or before January 31. Each student whose dues remain unpaid on the day fixed for their payment is required at once to cease attending lectures and using laboratories or making use of any other privileges as a student until his financial relations with the University have been arranged satisfactorily to the Bursar. Failure to comply with this rule is deemed cause for final separation of the student from the University.

Every student is required to file with the Bursar on his entrance to the School a bond of *fifty dollars*, executed by two sufficient bondsmen (one of whom must be a citizen of the United States), or to deposit fifty dollars in money, to cover the loss or injury of any property belonging to the University, or for which it is responsible. Blank forms of bonds may be obtained from the Bursar. No officer or student of the University is accepted as a bondsman. Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School. *No degree can be conferred until all dues to the School are discharged.*

Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Administrative Board, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction. This remission will date from the reception by the Dean of a written notice of the student's withdrawal from the School.

For the special pamphlet issued by the School, and for any information not contained in the Catalogue or the pamphlet, address Dr. EUGENE H. SMITH, *Dean*, Longwood Avenue, Boston, Mass

DEAN'S OFFICE · HARVARD DENTAL SCHOOL, LONGWOOD AVENUE,
BOSTON

OFFICE HOURS OF THE DEAN MONDAY, TUESDAY, THURSDAY AND FRIDAY,
4 30 TO 5 30 P.M., AND BY APPOINTMENT.

GRADUATE SCHOOL OF MEDICINE

ADMINISTRATIVE BOARD

HORACE DAVID ARNOLD, A.B., M.D., *Director*
ALEXANDER SWANSON BEGG, M.D., *DEAN*
EDWARD HICKLING BRADFORD, A.M., M.D.
GEORGE GRAY SEARS, A.B., M.D.
ALGERNON COOLIDGE, A.B., M.D.
CHARLES LOCKE SCUDDER, Ph.B., M.D.
ERNEST EDWARD TYZZER, A.M., M.D.
FRANCIS WELD PEABODY, A.B., M.D.
FREDERICK SIMONDS HAMMETT, S.M., Ph.D., *Secretary*

GENERAL STATEMENT

The establishment of the Graduate School of Medicine at the Harvard Medical School is the natural result of the growth of graduate teaching which has been carried on at that institution for many years. Such instruction began in an informal way by encouraging students to carry their studies beyond the regular curriculum prescribed for the degree of Doctor of Medicine, and by offering to graduates opportunities to undertake research work.

The gratifying growth in numbers of students registered in the Courses for Graduates and in the Summer School of Medicine and the increasing demand for graduate instruction led the Corporation to vote on May 8, 1911, on recommendation of the Faculty of Medicine, to establish the Graduate School of Medicine as a Department under the Faculty of Medicine, with a separate Dean and Administrative Board. The new organization took charge of graduate instruction in medicine October 1, 1912.

Graduate instruction at the Harvard Medical School has thus been placed on a university basis. All of the resources of the University and of the allied hospitals and other institutions where clinical instruction is given are available, and the instruction offered will be as thorough and scientific as that given in the Medical School proper.

The general plan is to offer adequate opportunities for study to those graduates who feel the need of reviewing past studies and to those who wish to keep abreast of recent advances in medicine. Other courses will be offered

for those who are interested in special subjects, and the excellent opportunities for advanced study and for research in all departments of medical science will be made available for those who are qualified by previous training to undertake such work

Undergraduate students of medicine may be admitted by vote of the Administrative Board to such courses as they are qualified to take. Special consideration for the needs of such students will be given in the plans for summer courses

Through the exceptionally well-equipped laboratories of the Harvard Medical School and the excellent clinical facilities in the hospitals and institutions in and about Boston, the University is able to offer advantages in graduate instruction unsurpassed in this country. The laboratories, hospitals, museums, and libraries described in the announcement of the Medical School are available also for the work of the Graduate School of Medicine

Although some of these institutions are somewhat widely scattered, most of them are easily accessible. The more important institutions are grouped about three centres, the Harvard Medical School, the Massachusetts General Hospital, and the Boston City Hospital

While the courses are intended primarily for physicians, certain courses in the scientific subjects are adapted to the needs of advanced students and teachers of science who do not possess medical degrees. Such persons may be admitted to courses on the approval of the Administrative Board

In addition to the opportunities furnished by the graduate courses, those who are enrolled in the Graduate School of Medicine are entitled to attend, free of charge, the "class exercises" given to undergraduates in the buildings of the Harvard Medical School. All students of the School will be welcome at the "public operations" at the Massachusetts General Hospital and at the Boston City Hospital

ADMISSION

The following persons are eligible for admission: —

- A. *Registered Practitioners* Any reputable person who by licensure is legally entitled to practise medicine may be admitted to such courses as he is qualified to take.
- B. *Graduates in Medicine who are not Registered Practitioners.* Graduates of an acceptable medical school who are not registered practitioners are eligible for admission. The standard of an acceptable school is that of Class A of the classification of the American Medical Association

- C *Undergraduates in Medicine* Undergraduates of the Harvard Medical School or of medical schools in Class A (American Medical Association classification) may be admitted for such courses as they are competent to take. During the sessions of their own schools, such undergraduates will be accepted only by special vote of the Administrative Board.
- D. *Such other persons as are approved by the Administrative Board.* These shall be known as special students. Properly qualified special students may be admitted to any courses in the Graduate School of Medicine or in the Harvard Medical School.

The Administrative Board reserves the right —

1. To judge of the qualifications of all candidates for admission and to refuse such as in its opinion are undesirable
2. To terminate a student's connection with the School for such reason as it considers proper
3. To refuse to admit a student to any course for such reason as it considers proper, even if he is admitted to other courses in the School.
4. To exclude a student from any course to which he may have been admitted, if in the opinion of the Board he is not qualified to continue that course, or for any other reason which the Board considers proper.

These reservations and restrictions are made not only for the protection of the School in exceptional cases, but more especially for the benefit of the students, since the right to classify students according to their capabilities is essential for successful teaching in groups or classes.

Students may enter the School at any time but are urged to do so at the beginning of a course, if possible. In certain courses, owing to the plan of instruction or to the nature of the work, students will not be admitted after the course has begun.

ADMISSION OF WOMEN

By the rules of the Harvard Medical School women are not admitted to the regular undergraduate exercises.

The admission of women to other exercises of the Graduate School of Medicine is at the discretion of the instructor in charge of the course. The Catalogues state in connection with each course whether women are admitted or not.

THE SCHOOL YEAR

Instruction in the Graduate School of Medicine will be given throughout the year, with the exception of Sundays and legal holidays.

The year is divided into three terms of four months each, as follows —

Summer Term June 1 to September 30, inclusive

Fall Term October 1 to January 31, inclusive.

Spring Term February 1 to May 31, inclusive.

THE SUMMER TERM

Instruction for graduates will continue during the Summer Term (June to September inclusive) essentially the same as in the Fall and Spring terms, and courses will also be arranged for the benefit of undergraduate medical students. These students will find courses which correspond to most of the regular courses of the Harvard Medical School, and they will thus have opportunities to review any subjects in which they are deficient, or to pursue new studies which may or may not be included in the regular curriculum.

COURSES

CLASSIFICATION OF COURSES

Courses are classified according to *grade* as follows —

Class A *Graduate Courses* These are more advanced than the regular undergraduate courses required for the degree of M.D. Such fourth-year elective courses as are open to graduates are included under this head

Class B. *Undergraduate Courses* These are regular courses included in the curriculum of the Medical School. To a limited extent such courses are available for graduates, but they are offered only when they are of such a character as to be useful for graduates, and when the presence of graduates will not interfere with undergraduate teaching

Class C *Practitioners' Courses* These are especially planned for practitioners. They are of the grade of undergraduate courses, but are not a part of the regular curriculum of the Medical School.

Courses will be arranged, as a rule, on the basis of a month as the unit of time, that is, a course will generally be planned to begin on the first day of a calendar month and to extend over one or more months. Some courses, however, will be planned to extend over one or more weeks, while others will consist of a definite number of exercises, which will come on certain days of each week

TYPE OF COURSE

It is convenient to indicate the *type* of course by another classification. This classification is not based on the grade of advancement, but on the method of instruction or other characteristics.

The courses are classified under six heads:—

- Type 1. General Lectures
- Type 2. General Clinics.
- Type 3. "Hospital" Courses
- Type 4. Special Courses (lectures, laboratory, or clinics)
- Type 5. Research Courses

1. *General Lectures.*

Under this head are included lectures which may have an interest for physicians in general. They may be didactic or clinical in character. For the present, regular courses of lectures of this type will not be offered, but special lectures or short courses may be announced from time to time. The School will endeavor to arrange a course of such lectures at any time on the request of ten or more students.

The hours for such lectures at the Massachusetts General Hospital or at the Boston City Hospital would be 9 to 10 A.M., or 12 M. to 1 P.M., so as not to interfere with the time usually assigned to clinics. At the Medical School general lectures would come from 5 to 6 P.M., after the clinical and laboratory exercises.

The general lectures, both at the hospitals and at the Medical School, are open to the women students of the Graduate School, subject to the reservation that the hospital authorities or the instructor may require them to withdraw from a lecture or a part of a lecture if their presence is not desired.

2. *General Clinics.*

Under this head are included ward visits and out-patient clinics at various institutions, and laboratory exercises of a general character either at the School or at the hospitals. These "clinics" occupy the time from 10 A.M. to noon and from 2 to 5 P.M. They cover a wide range of subjects, and the attendance at each clinic is sufficiently limited to enable the Instructor to give the students individual attention.

3. *"Hospital" Courses*

These courses occupy an intermediate position between the General Clinics and the Special Courses. They are called "Hospital" Courses because they are based on a plan of post-graduate instruction inaugurated by the Massachusetts General Hospital.

The "Hospital" Courses consist of clinical lectures on special topics, and are given once or twice a week instead of daily. They are specially designed for practitioners who live within easy reach of Boston, and are open to the profession without payment of the registration fee of the School. The attendance at these courses is not limited. Such courses are offered at the Massachusetts General Hospital, at the Boston City Hospital, and at other institutions.

4 *Special Courses*

Under this head are included courses of a more special character, designed to meet the needs of those interested in particular lines of work. They may consist of lectures, laboratory exercises, or clinics, or of a combination of these different forms of instruction.

Admission to special courses of an advanced grade will be subject to the approval of the Instructor as to the student's qualifications. The number of students accepted for each course will be limited, according to the nature of the course. Certain courses may not be given unless a sufficient number of students apply for them. These courses may be given for a smaller number of students, however, if the Instructor agrees and if the students pay proportionally higher fees.

5 *Research Courses*

Under this head are included those courses in which students may make original investigations. The opportunities for such work at the Harvard Medical School and in other Departments of the University are exceptionally good and cover all branches of medical science. The University is especially anxious to encourage work of this character.

Certain courses are announced in the Catalogue of the Graduate School of Medicine, but other courses may be arranged in all subjects for any one who is qualified to undertake original research. The character of the course and the fee will be arranged in each individual case.

UNDERGRADUATE COURSES OF THE HARVARD MEDICAL SCHOOL

Under certain restrictions graduate students will be admitted to the courses for undergraduate students given in the Harvard Medical School.

SCHOOL OF TROPICAL MEDICINE

In 1913 a School of Tropical Medicine was established as a Department of the Graduate School of Medicine, under the direction of Professor RICHARD P. STRONG. The full course consists of six months of instruction, beginning September 25, and is open to graduates from recognized medical schools. Other properly qualified students, not necessarily graduates of medicine, may be admitted to one or more of the separate courses offered. The aim of the School is to give an adequate preparation to those physicians who intend to practice where Tropical Diseases may be prevalent, and to those who wish to broaden the general field of their medical knowledge or to pursue original investigations in relation to Tropical Medicine.

One of the advantages which Harvard University possesses in this work is its ability to offer the combined resources of a number of Departments and eminent teachers who are recognized authorities in their several subjects. The collections of the Medical School and of other Departments of the University contain much valuable material for the study of Tropical Diseases, and this material is being added to constantly through expeditions sent by the School to the Tropics.

The opportunities for the clinical study of Tropical Diseases are good. A large number of cases of Tropical Diseases are received in the hospitals of Boston annually. All this material is available, and there is a special service of ten beds, under the charge of Dr. STRONG, at the Massachusetts General Hospital.

The tuition for the full course is \$100. Laboratory material and animals used in individual experiments by students will be charged for at cost. Women are admitted as students in the School.

Candidates who are graduates of a medical school of recognized standing, who have completed the full course in Tropical Medicine, have passed all the required examinations and have complied with the other requirements, may be granted a Diploma in Tropical Medicine.

Through an arrangement with the United Fruit Company, those who have received the Diploma in Tropical Medicine and other properly qualified students may be sent to the hospitals of the Company in Central and South America for further clinical study and research.

UNIVERSITY EXTENSION

The instruction in Arts and Sciences offered to persons not in residence in the University, including the Summer School of Arts and Sciences, is, since 1910, in charge of the Dean and Administrative Board for University Extension, under the control of the Faculty of Arts and Sciences. The Administrative Board also recommends to the Faculty of Arts and Sciences courses to be accepted for the degree of Associate in Arts, and certifies to the Faculty candidates who have fulfilled the requirements for that degree.

The work of University Extension includes the following branches. —

1 THE SUMMER SCHOOL OF ARTS AND SCIENCES

Summer courses of instruction have been offered at Harvard since 1871. The session of the Summer School of Arts and Sciences continues for six weeks, beginning early in July. The courses (with the exception of those in Architecture and Human Anatomy) are open to women as well as men. In 1917 courses were offered in Architecture, Astronomy, Chemistry, Economics, Education, English, Fine Arts, French, German, Government, Greek, History, Horticulture, Italian, Latin, Mathematics, Medical Sciences, Music, Philosophy, Physical Education, Physics, Public Speaking, Semitic, Social Ethics, Sociology, and Spanish. The tuition, registration, and laboratory fees vary from \$10 to \$60 for each course, the usual class-fee being \$20, and are payable in advance.

Most of the summer courses are accepted as "half-courses" in fulfilment of the requirements for the degrees of A.B. and S.B. All these courses, as well as some others primarily intended for teachers, are accepted as "half-courses" for the degree of A.A.

Each student usually takes but one course and concentrates his whole attention for the six weeks upon that subject. Undergraduates in Harvard College are not permitted in any one summer to count more than one of the summer courses given in Cambridge, obtaining credit for it as a "half-course."

The number of students in the Summer Courses in 1917 was 771, of whom 37 per cent were men and 63 per cent women. The courses for 1918 are described, and full information concerning the Summer School is given, in the Announcement of the School. Requests for the Announcement or for further information may be addressed to Professor A. F. WHITTEM, *Acting Director of the Summer School*, 19 University Hall, Cambridge, Massachusetts.

2. UNIVERSITY EXTENSION COURSES

The University shares in the direction of the courses given in Boston and Cambridge under the COMMISSION ON EXTENSION COURSES, consisting of representatives of the following institutions —

Harvard University,	Boston University,
Tufts College,	Boston Museum of Fine Arts,
Mass. Institute of Technology,	Wellesley College,
Boston College,	Simmons College,
Massachusetts Board of Education,	
School Committee of the City of Boston	

These courses are partly supported by the Lowell Institute and include the courses of the TEACHERS' SCHOOL OF SCIENCE. They are of full collegiate grade, correspond closely in subject-matter, methods of instruction, examinations, and scale of marking, with courses regularly given in the several institutions, and are accepted for the degree of A.A. The fees vary from \$2.50 to \$15.00 for each course.

Full information concerning these and the other courses of this series is contained in the Circular, to be had by addressing the COMMISSION ON EXTENSION COURSES, 19 University Hall, Cambridge, Massachusetts.

3. DEGREE OF ASSOCIATE IN ARTS

The degree of Associate in Arts is conferred upon students who have attended the class exercises, completed the other work, and passed the examinations in extension courses (including summer courses) equal in number and standard to the courses required of a resident student for the degree of Bachelor of Arts. No entrance examination is required of candidates for this degree.

The degree is administered by the Faculty of Arts and Sciences under the following rules: —

1. For the degree of A.A. a candidate is required to pass in studies amounting to the same number of courses as is regularly required for the degree of A.B., of which the equivalent of not less than five full courses shall be courses given by officers of instruction of Harvard University or in the Harvard Summer School of Arts and Sciences.

2. Of these courses, one shall be taken from each of the following four groups of subjects: —

- a. Language, Literature, Fine Arts, Music.
- b. Natural Sciences.
- c. History, Political and Social Sciences.
- d. Philosophy and Mathematics.

3. Not more than five of these courses shall be elementary courses in any one department

The courses accepted for this degree comprise nearly all the courses of the Summer School of Arts and Sciences, together with the courses given in Boston and Cambridge under the COMMISSION ON EXTENSION COURSES described above. Other Harvard courses may also be accepted for the degree of A.A.

Men who hold the degree of Associate in Arts from Harvard University are entitled to register in the Graduate School of Arts and Sciences, and may be admitted, without taking any other degree, to candidacy for the degree of Master of Arts, the requirements to be determined in accordance with the merits of each case. Courses leading toward the degree of A.A. are accepted by the Boston School Committee in fulfillment of the academic requirements for the promotion of teachers, and the degree is accepted, equally with the degree of A.B., as qualifying candidates for examination for a high-school teacher's certificate in the city of Boston.

Inquiries relating to the degree of Associate in Arts and the courses of instruction which lead to it may be addressed to Dean JAMES H. ROPES, 19 University Hall, Cambridge, Massachusetts.

THE SCHOOL OF PUBLIC HEALTH

HARVARD UNIVERSITY AND THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ABBOTT LAWRENCE LOWELL, LL B , LL D , Ph D., *President of Harvard University*

RICHARD COCKBURN MACLAURIN, LL D , Sc D , *President of the Massachusetts Institute of Technology*

The Administrative Officers and Governing Boards of Harvard University will be found in Part I of this Catalogue, and the Administrative Officers and Governing Boards of the Massachusetts Institute of Technology will be found in the Official Bulletin of the Massachusetts Institute of Technology

MILTON J ROSENAU, M D , A M , *Director*

ADMINISTRATIVE BOARD

WILLIAM T SEDGWICK, Sc D , *Chairman*

MILTON J ROSENAU, M D , A M , *Director*

GEORGE C. WHIPPLE, S.B., *Secretary.*

OFFICE HOURS

The office of the School of Public Health is at the office of the Director, Professor ROSENAU, Harvard Medical School, Building II, Room 238, 240 Longwood Avenue, Boston, where the business of the School is conducted

The office of the Chairman, Professor SEDGWICK, is at the Massachusetts Institute of Technology, Building 10, Room 409, Charles River Road, Cambridge, Mass

The office of the Secretary, Professor WHIPPLE, who is also acting as Treasurer, is at Room 212, Pierce Hall, Oxford Street, Cambridge.

GENERAL INFORMATION

The School of Public Health is conducted by Harvard University and the Massachusetts Institute of Technology, acting in cooperation, through an Administrative Board appointed for this purpose by both institutions

The principal object of the School is to prepare young men and women for public health work and especially to fit them to occupy administrative, executive, or laboratory positions, as health officials, or members of boards of health, or secretaries, agents, laboratory workers, or inspectors of health organizations To this end, lectures, laboratory work, and other forms of instruction are offered by both institutions, and by special instructors from national, state, and local health agencies. The subjects embraced in the courses of study have been selected to cover a wide range, including medical, biological, sanitary, hygienic and engineering sciences, together with practical public health administration and research

It is recognized that the requirements for public health service are broad and varied, and that the country needs leaders in every community fitted to guide and instruct the people in the art of hygienic living, qualified to direct the expenditure of energy, time, and money in public health work into fruitful channels, and able to initiate plans to meet novel conditions as they arise It is the object of the School of Public Health to provide the scientific ground work of expert knowledge which underlies efficient health administration, together with some actual personal acquaintance with the theory and practice of modern public health service of the best types

Harvard University with its extensive resources affords ample opportunities for students to prepare themselves in the medical aspects of public health work The Massachusetts Institute of Technology with its courses in sanitary and municipal engineering, bacteriology, and public health, presents the engineering and laboratory phases, as well as the important subjects of vital statistics and demography The State of Massachusetts and the City of Boston afford unusual opportunities to study the operation and administration of a state and a municipal department of health, including hygienic laboratory work In connection with the port of Boston the United States Public Health Service maintains a Marine Quarantine Immigration and Medical Service The School of Public Health is in a unique position in being able to offer all of these and many other special opportunities to students.

REQUIREMENTS FOR ADMISSION

Students are admitted to the School of Public Health with various degrees of preliminary training. The time which may be required to obtain the Certificate in Public Health will be largely dependent upon the preliminary training of the applicant. Students with a medical degree require at least one year in residence. Other students require two or more years.

Students are admitted to the School if they have satisfactorily completed two years' work in a recognized medical school, or if they have received a bachelor's degree from a recognized college or technical school, or if they have had special experience in public health work, provided they have pursued satisfactory courses in physics, chemistry, biology, and modern languages.

The medical degree is not a prerequisite for the Certificate in Public Health, but candidates are advised to obtain the medical degree if possible before specializing in public health work. Experience teaches that at the present time preferment for employment and advancement to the higher positions come more readily to those who possess a medical degree.

Special students, not candidates for the Certificate in Public Health, who desire to fit themselves for some particular field, will be admitted to the School, and may take any course or courses for which they are properly qualified, on approval of the Administrative Board.

ADMISSION OF WOMEN

Women are admitted to the School of Public Health on the same terms as men, and are equally eligible for the Certificate in Public Health. They are admitted to many of the courses given in the Harvard Graduate School of Medicine and to all courses at the Massachusetts Institute of Technology.

The world war has created an unusual opportunity for women to enter upon public health work, and there is every indication that much of the work in this field now done by men must soon be taken up by women, or left undone. Laboratorians, public health nurses, and inspectors of various kinds, seem likely in the first instance to be in special request.

DIVISION OF STUDIES

Two programmes or schedules of studies are provided in the School, one for students who have previously obtained the medical degree and one for students who have not obtained the medical degree. All candidates for the Certificate in Public Health must follow one or the other of these schedules, and in addition may take a certain number of elective courses. Students who do not follow one or the other of these schedules will be classified as special students, and will not be considered as candidates for the Certificate in Public Health.

RESEARCH PROBLEM

No student will be granted a Certificate in Public Health who has not during his residence in the School completed a satisfactory thesis. This must be presented to the Administrative Board in due form and must have received the approval of the Board before the final examination will be given. This original work may be in the nature of a sanitary survey, a detailed study of some particular problem in public health, or an original piece of laboratory investigation. All subjects must be first approved by the Administrative Board.

SPECIAL LECTURES AND SEMINARIES

In addition to the courses already indicated series of special lectures will be given at various times during the year. In most instances the lectures will be given from five to six o'clock. These lectures will require no preparation on the part of the student, but are designed to familiarize him with various fields of activity, related to public health work. The lecturers in each instance will be experts, who are actively engaged in practical work.

Seminaries are held by the Director on the second and fourth Thursdays of each month throughout the year. At these seminars current literature and original work will be reviewed by members of the instructing staff and by members of the School of Public Health. Such lectures and seminars are a part of the regular work of the School and attendance is required of all students.

ADDITIONAL COURSES

Students may take other courses at Harvard University or at the Massachusetts Institute of Technology, but in all such cases registration must be made through the office of the Director.

APPLICATION AND REGISTRATION

Application for admission to the School should be made to the Director, and should be accompanied by a full statement of the applicant's qualifications, including his or her academic history, together with such certificates from other institutions as the Administrative Board may require.

Each student before being admitted to courses of instruction must register at the office of the Director and obtain a card, to be presented to instructors.

Students in the School of Public Health are registered as students of both Harvard University and the Massachusetts Institute of Technology.

CERTIFICATE

The Certificate in Public Health (C P H) will be granted to candidates * who have satisfactorily completed the studies of their approved schedule, who have spent not less than one academic year in residence, and who have otherwise complied with all requirements. This certificate is issued by Harvard University and the Massachusetts Institute of Technology and signed by the President of each institution and by the members of the Administrative Board.

FEES

The tuition fee for candidates for the Certificate in Public Health and for all other students pursuing regular courses in the School is \$250 per year and must be paid in advance as follows — \$150 on or before the first day of the first term, and \$100 on or before the first day of the second term. For one-half of the school year the fee is \$150.

Special students who do not pay the regular fee must pay a special fee for each course.

A deposit of \$25 is required against charges for breakage in the laboratories, of which any balance remaining at the end of the year will be returned. There are no extra laboratory fees for instruction taken in course.

All fees must be paid to Professor WHIPPLE, Treasurer of the School. Checks should be made payable to the School of Public Health.

* Students who enter the School for the purpose of taking special studies are not regarded as candidates.

THE ARNOLD ARBORETUM

The Arnold Arboretum was founded in 1872 for the purpose of scientific research and experiment in Arboriculture, Forestry, and Dendrology, and as a Museum of trees and shrubs suited to the climate of Massachusetts. It occupies a tract of 220 acres in extent, and, under a special arrangement with the City of Boston, is open to the public every day in the year from sunrise to sunset. The living collections are supplemented by an Herbarium, Museum, and Library.

Officers

CHARLES SPRAGUE SARGENT, A. B., LL. D., DIRECTOR, and
Arnold Professor of Arboriculture

ALFRED REHDER, A. M., *Assistant.*

ERNEST HENRY WILSON, A. M., *Assistant*

CHRISTIAN VAN DER VOET, *Superintendent.*

Any one properly qualified to pursue the study of practical arboriculture or dendrology may be admitted to the Arboretum as a student. Such students will be permitted to take part in the work carried on in the Arboretum as well as to make use of its Library. They will also receive from the officers of the Arboretum such assistance and advice in the study of any branch of Arboriculture or Dendrology as can be rendered without interference with current work. In order to study with advantage in the Arboretum, the student should already possess such a degree of botanical knowledge as is implied in a thorough acquaintance with "Gray's Botanical Text Book," or any equivalent work. He must have some knowledge of horticultural methods and practice, and should be familiar with the native trees of the New England States.

Application for admission may be made to the Director, with whom the fees for instruction may be agreed upon. Fees may be remitted in consideration of services performed.

In the spring and autumn Assistant Professor JOHN GEORGE JACK conducts a series of Lectures and Field Meetings on Saturday mornings for the purpose of supplying popular instruction about the trees and shrubs which grow in New England.

The fee for either the spring or autumn course is *six dollars*, payable in advance. The courses are open to both men and women.

Applications or further inquiries concerning this instruction may be addressed to Assistant Professor J. G. JACK, Jamaica Plain, Mass.

THE UNIVERSITY CHAPEL AND THE PHILLIPS BROOKS HOUSE

Board of Preachers

EDWARD CALDWELL MOORE, Ph.D., D.D., *Plummer Professor of Christian
Morals, and Chairman of the Board of Preachers.*

CHARLES DAVID WILLIAMS, A M , D D.,
L H D , LL D.

PAUL REVERE FROTHINGHAM, A M., D D.

ELWOOD WORCESTER, Ph.D , D D.

AMBROSE WHITE VERNON, A M , D D.

HARRY EMERSON FOSDICK, A.M., D.D

*Preachers to the University
for the year 1917-18.*

In accordance with a vote passed by the President and Fellows five preachers are annually appointed who, in conjunction with a resident Professor, arrange and conduct the religious services of the University

In 1886, on the unanimous recommendation of the Preachers, and with the concurrence of the Board of Overseers, the President and Fellows voted "That the statute concerning religious exercises be amended by striking out the clause, 'at which the attendance of the students is required.' " Attendance at the religious services of the University was thus, by the advice of those who conduct these services, made wholly voluntary.

The services in the University Chapel are directed by the Board of Preachers as follows: Each conducts daily morning prayers for two weeks in each half-year and each preaches on four Sunday mornings. The Preacher conducting morning prayers is in attendance every morning during his term of duty at Wadsworth House 1, and is at the immediate service of any student who may desire to consult him. Other Sunday and daily services are conducted by preachers of various communions by invitation of the Board of Preachers.

In addition to the opportunities for worship in Appleton Chapel, seats are provided for students in the different churches in Cambridge and in St John's Memorial Chapel of the Episcopal Theological School

The Phillips Brooks House, dedicated in 1900, serves as a centre for the work of the various religious societies, for the organizations for charity and social service and, as well, for certain aspects of the hospitality of the Univer-

sity. The Phillips Brooks House Association unites in cooperation the University Christian Association, the St Paul's Society, the St Paul's Catholic Club, the Graduate Schools Christian Association, the Law School Society, and the Harvard Divinity Club. The Brooks House Association has also a direct membership. It employs the secretaries and organizes the common activities. The greatest of these is the work of the Social Service Committee, which mediates between those students who desire to render such voluntary service and the institutions of the city and neighborhood which seek the aid of students in their work. The Bible Study work and the activities of the Harvard Mission have their centre at the Phillips Brooks House. The Association sustains also an information bureau and a loan text-book library. The University Teas, the College Teas and the meetings of the Harvard Dames are held at the Brooks House. The Corporation appoints a Committee of the Faculty which is responsible for the administration of the House. The chairman of this Committee is the Chairman of the Board of Preachers. This Committee cooperates with the Cabinet of the Brooks House Association and with a Graduate Advisory Committee elected by the Association. A Committee of the Brooks House Association as also a Committee of the Student Council cooperate with the Board of Preachers in the administration of the University Chapel.

THE UNIVERSITY LIBRARY

Director

ARCHIBALD CART COOLIDGE, Ph.D., LL.D., *Professor of History*

The University Library consisted on July 1, 1917, of the following collections:—

College Library:—

	Vols	Pams	Vols	Pams
Main Collection	713,500	252,000		
Forty-one Special Libraries .	78,617	23,400		
	<hr/>	<hr/>	792,117	275,400

Departmental Libraries —

Law School.		172,073	22,900
Andover-Harvard Theological Library . .		109,321	56,300
Museum of Comparative Zoology . .		54,683	52,500
Peabody Museum . .		7,119	6,600
Phillips Library (Observatory) . .		14,986	34,200
Gray Herbarium		17,525	10,200
Medical School (Boston)		29,409	51,700
Dental School (Boston)		2,426	10,000
Arnold Arboretum (Jamaica Plain) .		31,213	7,700
Bussey Institution (Jamaica Plain) . .		3,324	18,400
Blue Hill Observatory (Hyde Park)		7,965	15,300

Total 1,242,161 561,200

Total number of volumes and pamphlets 1,803,000

Persons entitled to use the College Library, which occupies the new Harry Elkins Widener Memorial Library building, can have access to the Departmental Libraries by applying at the Central Library; but such libraries are primarily for the special use of the several departments of the University, and are placed in the buildings occupied by such departments. The Library of the Divinity School has been transferred to the Library of the Andover Theological Seminary, the two libraries together being known as the Andover-Harvard Theological Library. The Special Libraries are enumerated on page 468.

THE COLLEGE LIBRARY

Council

ARCHIBALD CARY COOLIDGE, Ph D, LL D, CHAIRMAN, and *Professor of History*

GEORGE FOOT MOORE, A M, D.D, LL D, Litt D, *Professor of the History of Religion*

GEORGE LYMAN KITTREDGE, A B., LL D, Litt.D, *Professor of English Literature*

CHARLES HOMER HASKINS, Ph D, Litt D, LL D, *Dean of the Graduate School of Arts and Sciences, and Professor of History and Political Science.*

THEODORE LYMAN, Ph D, *Professor of Physics.*

CHESTER NOYES GREENOUGH, Ph D., *Professor of English.*

THOMAS BARBOUR, Ph D, *Curator of Oceanica.*

Secretary of the Library Council

JAMES BUELL MUNN, Ph D.

Librarian

WILLIAM COOLIDGE LANE, A.B., LIBRARIAN, and *Keeper of the University Records*

The names of the other Officers of the Library are given on pages 33-34, Part I, University Catalogue.

The College Library is for the use of the whole University. All students who have given bonds may take out books, three volumes at a time, and may keep them one month. Officers of the University have direct access to the shelves, and students engaged in advanced work, upon recommendation by their instructors, are allowed access to those parts of the collection with which they are occupied.

All students have the direct use of about 35,000 volumes in the several reading rooms. Of these 4,000 are miscellaneous reference books, 10,000 are American and British government documents shelved in the stack immediately adjoining the General Reading Room, about 2,000 are in the Farnsworth Room, about 10,000 are books withdrawn from time to time from general circulation at the request of instructors and "reserved" on shelves in the General Reading Room for use in connection with the courses of instruction, and about 9,000 are permanently shelved in the Lower Reading Room, which is designed to serve the needs of students in the larger courses in History, Government, and Economics. In addition to the above are the books in the Special Libraries on the third floor of the building.

The Farnsworth Room, on the first floor immediately at the right of the entrance, contains a collection of books for general reading, accessible to all members of the University, but intended especially for undergraduates who wish to read for pleasure

A number of Special Libraries are administered more or less closely in connection with the College Library and in some degree through the staff of that Library. Fourteen of these are in the Widener Library, the others are in departmental, museum or laboratory buildings where they are most accessible to those for whose service they are provided. Some are for the use of students in advanced courses (classics, Child Memorial, French, etc.); others are designed to serve the needs of large elementary classes for which a considerable number of copies of the most used books are required (history, economics, etc.) A complete list of these special libraries follows:—

SPECIAL LIBRARIES

<i>In the Widener Building</i>		<i>Outside the Widener Building</i>	
	Vols & Pams		Vols & Pams
Bureau of Municipal Research	6,493	Engineering. <i>Museum</i>	494
Business School	7,548	Students' Palaeontological	
Child Memorial	5,742	Lab. <i>Museum</i>	11
Classics	5,272	Plant Physiological Lab.	
Economics	2,045	<i>Botanical Museum</i>	355
French	2,667	Astronomical Lab.	97
German	1,674	Philosophy <i>Emerson</i>	5,764
Graduate Economics	410	Social Ethics. <i>do</i>	10,431
Graduate History	626	Semitic. <i>Semitic Museum</i>	2,194
History	6,856	Germanic Museum	71
Lowell Memorial	1,709	Sanitary Engineering. <i>Pierce</i>	728
Mathematics	1,332	Economic Geology. <i>do</i>	101
Sanskrit	942	Mining and Metallurgy.	
Statistical Lab.	247	<i>Rotch Lab</i>	545
<i>Outside the Widener Building</i>		Music. <i>Music Building</i>	2,794
Education <i>Lawrence</i>	10,081	Fine Arts. <i>Fogg Museum</i>	2,136
Military Science and Tactics	184	Architecture. <i>Robinson</i>	2,198
Chemical Lab <i>Boylston</i>	14,377	Landscape Arch <i>Robinson</i>	3,534
Physical Lab <i>Jefferson</i>	713	Preachers' Lib. <i>Wadsworth</i>	118
Botanical Lab. <i>Museum</i>	1,929	Phillips Brooks House Lib.	500
Geological Lab <i>do</i>	258	Forestry. <i>Bussey Institution</i>	132
Mineralogical Lab. <i>do</i>	1,281	Total, Special Libraries	105,327
Physical Geog. Lab. <i>do</i>	299	Deduct for books on deposit	
Zoological Lab. <i>do</i>	439	from the Central Lib.	3,047
			<u>102,280</u>

In term-time the Library is open week days from 8 45 A.M. to 10 P.M. The Delivery Department is open from 9 A.M. to 5 30 P.M., but the Public Card Catalogue, which is placed in the Delivery Room, and the Bibliographical Reference Room, which is entered from it, are accessible in the evening through the Reading Room. On holidays the Delivery Desk is closed, but the General Reading Room and the Farnsworth Room are open as usual, except on Thanksgiving Day and Christmas Day, when the whole Library is closed. On Sundays the General Reading Room and the Farnsworth Room are open from 1 to 10 P.M.

During the summer vacation, the library is open on week-days from 9 A.M. to 5 30 P.M., except on Saturdays, when it closes at 1 P.M. On the Fourth of July and on Labor Day the whole Library is closed throughout the day.

The use of the Library, including the privilege of borrowing books, is sometimes granted, under special regulations, to persons not connected with the University. *Blanks for making application for such use may be had of the Librarian.*

More specific information in regard to the Library, its history and collections, will be found in a handbook issued in October, 1915, entitled "The Library of Harvard University, descriptive and historical notes. By A. C. Potter."

The Librarian has the custody of the Archives of the University, as well as of the University Collection, which includes printed material of all sorts illustrating the history of the College and University.



THE ASTRONOMICAL OBSERVATORY

Officers

ABBOTT LAWRENCE LOWELL, A B, LL B, LL D, Ph.D, PRESIDENT
EDWARD CHARLES PICKERING, S B, A M, Ph D, LL D., S.D, L H D.,

DIRECTOR, and *Paine Professor of Practical Astronomy*

ARTHUR SEARLE, A M., *Phillips Professor of Astronomy, Emeritus.*

OLON IRVING BAILEY, A M, *Phillips Professor of Astronomy*

WILLIAM HENRY PICKERING, S B., *Assistant Professor of Astronomy.*

WILLARD PEABODY GERRISH, *Assistant Professor of Mechanical Engineering.*

EDWARD SKINNER KING, A M, *Assistant Professor of Astronomy.*

SELINA CRANCH BOND, *Assistant Emerita*

The ASTRONOMICAL OBSERVATORY, established by means of a subscription initiated in 1843, was founded for the purpose of scientific research in all departments of Astronomy. To fulfil this purpose, it has been equipped with instruments of the first class and with a library of fifty thousand works (of which about two-thirds are pamphlets), principally relating to astronomical subjects. All of its expenses are met by funds donated for that special purpose, no appropriations being made from the funds of the University. The collection of astronomical photographs, consisting of over two hundred and forty thousand glass plates, contains the only existing history of the stellar universe for the last thirty years. A permanent record is thus furnished of the unknown, as well as of the known, results of cosmical importance.

In coöperation with the BLUE HILL METEOROLOGICAL OBSERVATORY, founded by the late A. Lawrence Rotch, meteorological observations have been maintained for the last thirty years, and the results published in the ANNALS OF THE OBSERVATORY.

By the mutual consent of astronomers, the Kiel and Harvard Observatories were selected as the centres for the prompt announcement of astronomical discoveries. For example, when a comet is discovered in America, its position is telegraphed to this Observatory, from here to Kiel (during the last three years to Copenhagen), and thence to all the principal observatories of Europe.

Forty assistants are engaged in the work of the Observatory. The results obtained are published in a series of ANNALS, and now fill eighty quarto volumes. Besides numerous smaller instruments, the principal telescopes, some of which are kept at work throughout every clear night, are the 24-inch

reflector, 15-inch and 12-inch refractors for visual work, 8-inch meridian circle, and 16-inch, 10-inch, and 8-inch photographic telescopes, at Cambridge, at the Arequipa Station are the 24-inch Bruce telescope, 13-inch Boyden, and 8-inch Bache telescope, at the Mandeville Station in Jamaica is the 11-inch Draper telescope.

Instruction in Astronomy is not given at the Observatory, either by lectures or recitations. Facilities are freely offered to astronomers for making use of the library, buildings, grounds, instruments and photographs of the Observatory, so far as this can be done without interfering with regular work. Similar opportunities are sometimes offered to students specially devoting themselves to the study of Astronomy. Such students may apply for admission to the Director, with whom the fees for the privileges offered may be agreed upon. In some cases, a part or the whole of the fees may be remitted in consideration of services rendered in computation or other work.

BLUE HILL METEOROLOGICAL OBSERVATORY

ALEXANDER McADIE, A M , S M , DIRECTOR, and *Abbott Lawrence Rotch*
Professor of Meteorology.

LEWIS ALEXANDER WELLS, *Chief Observer*

The Blue Hill Meteorological Observatory, located on the summit of Great Blue Hill in the Metropolitan Park Reservation of Boston, was founded by the late Professor A. Lawrence Rotch in 1884. Regular observations, begun on February 1, 1885, have been continued without interruption for more than thirty years and constitute a unique series in the history of American climatology. The equipment consists of standard European and American makes of barometers, thermometers, hygrometers, and wind instruments, to which are added sunshine recorders and instruments for recording night cloudiness. The results of the observations made with these instruments, together with the more important researches made in exploring the upper air, have been published in various volumes of the *Harvard Observatory Annals*. The library contains 7,966 bound volumes and 15,332 pamphlets dealing chiefly with aerology, and some rare copies of early publications in meteorology. There are two secondary stations, one at the base of the hill and the other in the Neponset valley, both supplied with self-registering instruments, the records of which are used to advantage in studies of the circulation of the lower air.

"The purpose of the Observatory," in the words of its founder, "is mainly research, free from prescribed duties and independent of outside control."

BOTANIC GARDEN AND HERBARIUM

THE BOTANIC GARDEN

OAKES AMES, A.M., DIRECTOR, and *Assistant Professor of Botany (Bussey Institution)*

ROBERT CAMERON, *Head Gardener.*

The BOTANIC GARDEN, founded in 1807, occupies about seven acres of land at the corner of Linnaean and Garden Streets, Cambridge. More than five thousand species of flowering plants are cultivated for educational and scientific purposes.

The range of greenhouses comprises fourteen divisions assigned respectively to. — (1) Desert plants. (2) Exhibition of plants in flower. (3) Economic plants and orchids (4) Palms and their allies, aroids, etc. (5) Mexican plants, ferns, and orchids. (6) Potting shed (7) Tropical ferns and orchids (8) Australasian plants (9), (10), (11) Assigned to experimental work in vegetable physiology (12) Propagating house. (13) Potting shed. (14) Herbaceous plants for the students in Botany I.

The space at the northwestern part of the Garden is devoted to an exhibition of a large number of our North American species, with special reference to their morphology. The ground below the terrace is filled with illustrations of the Orders and principal Genera of the plants of the United States, together with species from the Old World for comparison.

The grounds and greenhouses are open to the public daily, from sunrise to sunset.

To students properly qualified, specimens of flowers and living plants are freely furnished, and facilities are offered in the laboratories in the Garden, for pursuing investigations in Physiology. Under certain restrictions, students are supplied with all necessary appliances for conducting experiments in Vegetable Physiology and its application to practical questions in horticulture.

THE GRAY HERBARIUM

Officers

BENJAMIN LINCOLN ROBINSON, Ph D., CURATOR, and *Asa Gray Professor of Systematic Botany*

MERRITT LYNDON FERNALD, S B, *Fisher Professor of Natural History (Botany)*.

MARY A. DAY, *Librarian*

J FRANCIS MACBRIDE, A.B., *Assistant*.

HAROLD ST JOHN, Ph D., *Assistant*.

The GRAY HERBARIUM occupies a building in the Botanic Garden. The collection now contains over five hundred and fifty thousand sheets of mounted specimens. It embraces all families of flowering plants, ferns, and fern-allies, while the cellular cryptogams are at the Cryptogamic Herbarium in the University Museum. The Gray Herbarium is rich in type specimens of species and varieties, in standard and rare phaenogamic *exsiccatae*, and in the possession of the greater part of the specimens which have been critically studied in the preparation of the "Synoptical Flora of North America."

The Herbarium may be consulted, under supervision of the staff, by advanced students and other properly qualified persons. Visiting specialists receive such facilities for work as can be given without interrupting the regular duties of the staff.

The LIBRARY OF THE HERBARIUM contains more than twenty-seven thousand carefully selected volumes and pamphlets. It is open for consultation to all persons interested in botany.

The scientific publications of the Herbarium at present embrace the following classes of work. I. The continuation and revision of the more extended works of Asa Gray. II. The issue from time to time of "Memoirs of the Gray Herbarium of Harvard University," a 4to series of monographs and floras. III. "Contributions from the Gray Herbarium of Harvard University," an 8vo series of technical papers devoted chiefly to the characterization of new species and revision of genera. IV. An unnumbered series of other articles, both technical and popular, published in various scientific journals. V. The issue at quarterly intervals of the Card Index of new Genera, Species, and Varieties of American Plants.

The GEORGE ROBERT WHITE LABORATORIES OF SYSTEMATIC BOTANY, forming the east wing of the Herbarium building, furnish quarters for the instruction in botanical taxonomy.

The valuable local collection of the NEW ENGLAND BOTANICAL CLUB is kept in the building of the Gray Herbarium and may, with certain restrictions, be consulted by persons interested in the flora of New England.

LABORATORIES *

THE CHEMICAL LABORATORY

ARTHUR BECKET LAMB, Ph D., DIRECTOR, and *Assistant Professor of Chemistry.*

WILLIS ARNOLD BOUGHTON, A.B., *Assistant Director*

The Division of Chemistry of the Faculty of Arts and Sciences occupies Boylston Hall, the T. Jefferson Coolidge Jr. Memorial Laboratory, and the Wolcott Gibbs Memorial Laboratory.

With the exception of research work in physical chemistry conducted in the Wolcott Gibbs Memorial Laboratory and of courses and research work in analytical chemistry conducted in the T. Jefferson Coolidge Jr. Memorial Laboratory, all the courses of instruction in Chemistry for students of Harvard College and the Graduate School of Arts and Sciences are given in Boylston Hall. The laboratories are open to Special Students who wish to follow any line of chemical investigation. The facilities for research are unusually great.

THE T. JEFFERSON COOLIDGE JR. MEMORIAL LABORATORY

Mr. T. JEFFERSON COOLIDGE, of Boston, gave the University in 1913 a laboratory of quantitative analysis in memory of his son, T. Jefferson Coolidge, Jr. The building is the second of a related group of buildings planned by the Division of Chemistry, and is located on Divinity Avenue, near the Peabody Museum and the Wolcott Gibbs Memorial Laboratory. It is devoted wholly to classes in quantitative analysis and to research in inorganic and physical chemistry.

* Detailed information concerning these laboratories may be found in the announcements issued by each Department

WOLCOTT GIBBS MEMORIAL LABORATORY

FOR RESEARCH IN PHYSICAL AND INORGANIC CHEMISTRY

THEODORE WILLIAM RICHARDS, Ph D , S D , LL D , Chem.D , M.D.,
DIRECTOR, and *Erving Professor of Chemistry*

The Wolcott Gibbs Memorial Laboratory was opened for work early in 1913 The fund for its erection and maintenance was contributed by Morris Loeb, James Loeb, Alexander Forbes, Mrs. E M. Carey, Alexander Cochran, and a number of other benefactors.

The building is intended for research dealing with the fundamental laws and theories of Chemistry, and because of its location, arrangement, and unusually complete equipment, it provides excellent opportunities for this kind of work

THE JEFFERSON PHYSICAL LABORATORY

THEODORE LYMAN, Ph D , DIRECTOR, and *Professor of Physics*.

WALLACE CLEMENT SABINE, A M , S D , ACTING DIRECTOR, and *Hollis Professor of Mathematics and Natural Philosophy*

The Jefferson Physical Laboratory was completed in October, 1884. Its erection was made possible by the generosity of Mr Thomas Jefferson Coolidge and by the energy and foresight of Alexander Agassiz and Professor John Trowbridge All the instruction in General Physics is given in this building, the new Croft Laboratory being exclusively devoted to the study of high-tension electric currents

THE PSYCHOLOGICAL LABORATORY

HERBERT SIDNEY LANGFELD, Ph D., ACTING DIRECTOR, and *Assistant Professor of Psychology*

The Psychological Laboratory, founded in 1891, occupies especially designed and constructed laboratory rooms in Emerson Hall, the third floor of that building being devoted wholly to laboratory purposes.

STUDENTS' ASTRONOMICAL LABORATORY

ROBERT WHEELER WILLSON, Ph D , *Professor of Astronomy, in charge.*

HARLAN TRUE STETSON, Ph D., *Instructor in Astronomy*

CLARENCE ERSKINE KELLEY, A M , *Instructor in Astronomy.*

The Astronomical Laboratory on Jarvis Street is devoted to the uses of instruction in Astronomy

A platform on the roof serves for naked-eye observations, and has fixed positions for the use of about a dozen small instruments which do not require the most stable sort of mounting

For the courses in Navigation and Nautical Astronomy the Laboratory is well supplied with sextants, chronometers, peloruses, a ship's compass with compensating binnacle, a collection of charts, and numerous minor pieces of apparatus.

The basement contains a well equipped machine shop for the construction of apparatus both for instruction and research, a photographic dark room, and an instrument room

In separate shelters in the yard adjoining the building are a Clark Equatorial of $7\frac{1}{2}$ inches aperture, a 4-inch Meridian Circle, and a 4-inch Almu-cantar These are chiefly used by advanced students, but the Equatorial is used for showing objects of interest to students in Descriptive Astronomy, and on some occasions is open to the public

For the use of students in Practical Astronomy are a 4-inch Clark Equatorial, a 3-inch Transit with zenith level, by Fauth, and a transit house with three 3-inch transits and chronographs.

For the teaching of Descriptive Astronomy by modern methods the Laboratory has an unusually good equipment.

MUSEUMS

The University has the following Museums —

The University Museum, including Natural History Collections and Laboratories, the Semitic Museum, the William Hayes Fogg Museum of Art, the Germanic Museum, and the Social Museum, all situated in Cambridge. The University also possesses museums at the Medical School, at the Dental School, and at the Arnold Arboretum.

THE UNIVERSITY MUSEUM

Committee

HENRY PICKERING WALCOTT, A B, M.D., LL.D.

GEORGE LINCOLN GOODALE, A M, M.D, LL D.

WILLIAM MORRIS DAVIS, M E, S D., Ph D.

EDWARD LAURENS MARK, Ph D, LL D.

JOHN ELIOT WOLFF, Ph D.

SAMUEL HENSHAW, A M

CHARLES CLARK WILLOUGHBY, A M

The University Museum building contains a Zoological section, known as the Museum of Comparative Zoology, a Botanical section, a Mineralogical section, a Geological section; and an Anthropological section, known as the Peabody Museum of American Archaeology and Ethnology.

ASSOCIATES OF THE UNIVERSITY MUSEUM

Honorary appointments to the position of Associate of the University Museum are made by the Corporation on nomination of the Committee on the University Museum. Associates are persons qualified for and engaged in research or exploration independent of other educational or scientific associations.

THE MUSEUM OF COMPARATIVE ZOOLOGY

Faculty

ABBOTT LAWRENCE LOWELL, A B, LL B, LL D., Ph.D, PRESIDENT.

SAMUEL HENSHAW, A M, DIRECTOR

HENRY PICKERING WALCOTT, M D, LL.D

GEORGE LINCOLN GOODALE, M D., LL D.

JOHN ELIOT THAYER, A.M.

} *Committee on the Museum.*

Officers

SAMUEL HENSHAW, A.M., DIRECTOR.

WILLIAM MORRIS DAVIS, M.E., S.D., Ph.D., *Sturgis-Hooper Professor of Geology, Emeritus*

REGINALD ALDWORTH DALY, Ph.D., *Sturgis-Hooper Professor of Geology*

WALTER FAXON, S.D., *Curator of Crustacea and Mollusca*

SAMUEL GARMAN, A.M., *Curator of Lower Vertebrates (Reptiles, Amphibians, and Fishes)*

WILLIAM BREWSTER, A.M., *Curator of Birds.*

OUTRAM BANGS, *Curator of Mammals and Associate Curator of Birds.*

HUBERT LYMAN CLARK, Ph.D., *Curator of Echinoderms*

HENRY BRYANT BIGELOW, Ph.D., *Curator of Coelenterates.*

ROBERT WILCOX SAYLES, A.B., *Curator of the Geological Collections.*

PERCY EDWARD RAYMOND, Ph.D., *Curator of Invertebrate Palaeontology.*

THOMAS BARBOUR, Ph.D., *Associate Curator of Reptiles and Amphibians.*

RALPH VARY CHAMBERLIN, Ph.D., *Curator of Myriopods, Arachnids, and Worms.*

JOHN CHARLES PHILLIPS, S.B., M.D., *Associate Curator of Birds*

NATHAN BANKS, S.M., *Curator of Insects.*

GEORGE NELSON, *Preparator*

The Museum of Comparative Zoology was founded in 1859 by private subscription with the assistance of the State of Massachusetts. In 1876 the property in the hands of the Trustees was transferred to the President and Fellows of Harvard College.

The collections are open, Christmas and the Fourth of July excepted, every week-day, from 9 A.M. till 5 P.M., and on Sunday, from 1 P.M. till 5 P.M. The library is open daily, except Sundays and holidays, from 9 A.M. to 5 P.M.

THE BOTANICAL MUSEUM

GEORGE LINCOLN GOODALE, A.M., M.D., LL.D., HONORARY CURATOR, and *Fisher Professor of Natural History, Emeritus.*

The collections at present accessible to the public are designed to illustrate the principal systematic, biological, and economic relations of plants. The large and increasing WARE COLLECTION of glass models of flowers, prepared by the artists, Leopold and Rudolph Blaschka of Germany, occupies the large exhibition room. Contiguous rooms contain collections of economic products, and on the landing of the first floor are to be found illustrations of Cryptogams. In the basement is a large collection of Fossil plants.

The Museum is open week-days from 9 A.M. to 5 P.M.; on Sundays, from 1 to 5 P.M.

LABORATORIES OF CRYPTOGRAMIC BOTANY, PLANT • MORPHOLOGY AND PLANT PHYSIOLOGY

The Laboratories of Cryptogamic Botany and the Herbarium of Algae, Fungi, Lichens, Mosses, and Hepatics occupy the fifth floor. Those desiring to consult the Herbarium should apply to Professor FARLOW.

The Laboratories of Plant Morphology are, for the present, situated on the second floor of the Museum.

The Laboratories of Plant Physiology occupy rooms on the second floor, and in the basement. See also page 472 for reference to laboratories at the Botanic Garden.

The N. C. NASH BOTANICAL LECTURE-ROOM, the gift of a graduate in memory of his father, is on the first floor of the Museum.

THE MINERALOGICAL MUSEUM

JOHN ELIOT WOLFF, Ph.D., CURATOR, and *Professor of Petrography and Mineralogy.*

The Museum is open to the public on week-days from 9 A.M. to 5 P.M., on Sundays, from 1 to 5 P.M.

The main mineralogical collections of the University are deposited here; they contain on the main floor and gallery the large systematic collection and special features and collections, such as the J. Lawrence Smith collection of meteorites, the William Sturgis Bigelow agates, the Hamlin collection of tourmalines, and many unique specimens presented by James A. Garland and others. The Holden Collection of minerals is in part exhibited here, while other parts are kept in a special room for study and reference.

THE GEOLOGICAL MUSEUM

JAY BACKUS WOODWORTH, S.B., <i>Chairman</i>	} <i>Sub-Committee on the Geological Museum.</i>
JOHN ELIOT WOLFF, Ph.D.	
LOUIS CARYL GRATON, S.B.	
WALLACE WALTER ATWOOD, Ph.D.	
ROBERT WILCOX SAYLES, A.B., <i>Curator of Exhibition Collections.</i>	

The Geological Section of the University Museum contains a collection of rocks, models, maps, and photographs illustrating Dynamical and Structural Geology, Economic Geology, Physical Geography and Meteorology.

The Museum is open from 9 A. M. week-days (Sundays from 1 P. M.) to 4 30 P. M. in winter and to 5 P. M. in summer, except on the Fourth of July and Christmas Day.

THE HARVARD SEISMOGRAPHIC STATION

JAY BACKUS WOODWORTH, S. B., *Associate Professor of Geology, in charge*

The station is equipped with a 100 kg Bosch-Omori tromometer, mounted on a pier in a special room in the basement of the Geological Museum.

A monthly mimeographed bulletin of earthquakes registered at the Station is issued to exchanges, and an annual report is published as a Bulletin of the Museum of Comparative Zoology. About eighty earthquakes a year are registered, chiefly of distant origin.

GEOLOGICAL AND GEOGRAPHICAL LABORATORIES

REGINALD ALDWORTH DALY, Ph. D., *Sturgis-Hooper Professor of Geology, in charge.*

— — —, *Curator of the Gardner Collection of Photographs.*

The lecture rooms and laboratories of geology, geography, and meteorology occupy four floors of the Geological Section of the University Museum. The courses in economic geology are conducted in the Pierce Building, and those in palaeontology in the Museum of Comparative Zoölogy.

MINERALOGICAL LABORATORIES

CHARLES PALACHE, Ph. D., *Chairman of the Department of Mineralogy and Petrography, and Professor of Mineralogy.*

The Laboratories of Mineralogy and Petrography in the University Museum contain a laboratory for advanced crystallographic and optical investigation, petrographic microscopes, and extensive collections of rocks and minerals.

In Pierce Hall is a laboratory devoted to general elementary mineralogy and blow-pipe analysis and also one equipped for quantitative chemical analysis of rocks and minerals.

The courses in mineralogy, crystallography, and petrography are given in these laboratories, where the instructors also receive properly qualified students who wish to follow special lines of mineralogical research.

THE PEABODY MUSEUM OF AMERICAN ARCHAEOLOGY AND ETHNOLOGY

(The Anthropological Section of the University Museum)

Faculty

ABBOTT LAWRENCE LOWELL, A B., LL B, LL D, Ph D., PRESIDENT.

CHARLES CLARK WILLOUGHBY, A M, DIRECTOR.

CHARLES PICKERING BOWDITCH, A.M.

AUGUSTUS HEMENWAY, A B.

ROLAND BURRAGE DIXON, Ph D., SECRETARY.

ALFRED MARSTON TOZZER, Ph D.

THOMAS BARBOUR, Ph D.

Officers

CHARLES C. WILLOUGHBY, A.M, DIRECTOR.

ROLAND B. DIXON, Ph D., *Professor of Anthropology; Librarian, and Curator of Ethnology.*

ALFRED M. TOZZER, Ph D., *Assistant Professor of Anthropology, and Curator of Middle American Archaeology and Ethnology.*

CHARLES PEABODY, Ph.D., *Curator of European Archaeology.*

SAMUEL J. GUERNSEY, *Assistant Curator of Archaeology and Ethnology.*

ALFRED V. KIDDER, Ph D, *Curator of North American Archaeology.*

EARNEST A HOOTON, Ph.D., B Litt., *Instructor in Anthropology, and Curator of Somatology.*

ORIG BATES, A M., *Curator of African Archaeology and Ethnology.*

RAYMOND E MERWIN, Ph D, *Associate in Central American Archaeology.*

SAMUEL K. LOTHROP, A B, *Director of the Central American Expedition.*

ALICE C. FLETCHER, *Assistant in American Ethnology, and Thaw Fellow*

ZELIA NUTTALL, *Honorary Assistant in Mexican Archaeology.*

EDUARDO NOGUERA, *Robert C. Winthrop Scholar.*

LABORATORIES OF ARCHAEOLOGY AND ETHNOLOGY

The Peabody Museum, which is the anthropological section of the University Museum, was founded by GEORGE PEABODY in 1866. In January, 1897, the Trustees of the Museum transferred the property held by them to the President and Fellows of Harvard College. The Museum is in charge of the Director, and is open to the public, under proper restrictions, from 9 A.M. to 5 P.M. (or until dark) on week-days throughout the year, holidays excepted; on Sundays, from 1 to 5 P.M. The arrangement of the collections is intended to facilitate research in General Anthropology with special reference to American and Comparative Archaeology and Ethnology.

In addition to the scholarships and fellowships annually awarded to Graduate Students on nomination by the Faculty of Arts and Sciences, the Hemenway Fellowship, the Fellowship in Central American Research, the Harvard Fellowship in Mexican Archaeology and the Winthrop Scholarship are available only for students in the Division of Anthropology. The Thaw Fellowship is held by a student in connection with the Peabody Museum. The incomes of the Huntington Frothingham Wolcott Fund, the Henry C Warren Fund, the Susan C Warren Fund, the Eliza O and Mary P. Ropes Fund, the Mary Hemenway Fund for Archaeology, and the Francis C. Lowell Fund are available for special research in the field under the direction of the Director, and for the care and increase of the collections. The income of the Henry W. Haynes Fund is for binding serials.

THE SEMITIC MUSEUM

DAVID GORDON LYON, Ph D, D D, CURATOR, and *Hancock Professor of Hebrew and other Oriental Languages*

The SEMITIC MUSEUM was founded by JACOB H. SCHIFF, Esq., in 1889. The objects aimed at have been to aid the regular instruction given in the department, to furnish the means of research; to illustrate the manners, customs, and history of the Semitic peoples, and thus to show, as far as may be, what the Semites have contributed to civilization.

The Museum Building, on Divinity Avenue, completed in 1902, is likewise the gift of Mr. SCHIFF.

The Assyrian room contains the large collection of casts of Assyrian, Babylonian, and Hittite bas-reliefs and monuments, from originals in London, Paris, Berlin, and Constantinople; the stone and clay tablets written in cuneiform; the cylinder seals; and other objects in bronze, clay, and stone of Babylonian-Assyrian origin.

The Palestinian exhibition room contains the objects from Palestine proper, Moab, Arabia, Egypt, Phoenicia, Syria, and Persia; such as stone inscriptions, manuscripts, coins, pottery, glass vases, bronzes, bas-reliefs, sarcophagi, models, costumes, photographs, and specimens of natural history (geology, flora, fauna), etc.

The Museum also possesses a valuable collection of Arabic and Syriac manuscripts. It is open to visitors on week-days from 9 A.M. to 5 P.M., and on Sundays from 2 to 5 P.M.

THE WILLIAM HAYES FOGG ART MUSEUM

EDWARD WALDO FORBES, A B , DIRECTOR, and *Lecturer on the Fine Arts*
PAUL JOSEPH SACHS, A B , *Assistant Director*, and *Assistant Professor of Fine Arts*

The WILLIAM HAYES FOGG ART MUSEUM was founded by Mrs. ELIZABETH FOGG of New York in memory of her husband, whose name it bears.

The Museum contains a growing collection of original works of art. Ancient art is represented by Greek sculpture, Greek vases, terra cotta figurines, and coins

There is a collection of early Italian, German, Flemish, and Modern paintings, as well as a collection of original drawings and prints, and also slides and photographs.

The Museum is open on week-days from 9 A M to 5 P M. On Sundays during the college year it is open from 1 until 5 in the afternoon.

THE GERMANIC MUSEUM

KUNO FRANCKE, Ph D , LL D , Litt D , HONORARY CURATOR, and *Professor of the History of German Culture, Emeritus*

The object of the GERMANIC MUSEUM is to illustrate by means of plaster casts and other kinds of reproduction the outward aspect of the development of Germanic culture. The new Museum building, erected in 1916, is called, in honor of its donor, Adolphus Busch Hall

THE SOCIAL MUSEUM

. JAMES FORD, Ph D , *Assistant Professor of Social Ethics, in charge.*

The SOCIAL MUSEUM was established through the gift of Mr. ALFRED T WHITE, A.M. (hon.) 1890, of Brooklyn, N Y

The object of the Museum is to illustrate the methods of social research and the means of social amelioration It contains a collection of charts, maps and photographs illustrating social conditions of Europe and America Collections cover causes and treatment of alcoholism, crime, defectiveness, poverty, and special problems of housing, labor, recreation, etc

The Museum is open on week-days, excepting Saturday, from 9 A M. to 5 P M , and on Saturdays from 9 A M to 1 P M

HARVARD UNIVERSITY PRESS

CHARLES CHESTER LANE, A M , *Director*

Established in 1913 for the publication of books of a high scholarly character the Harvard University Press aims to aid in the advancement of knowledge by making possible the wide distribution of the work of the foremost scholars of the world. It will also help in promptly disseminating the results of original research and investigation by printing a number of serial publications

Syndics of the Press

ROBERT BACON, A B , LL D , *Chairman*
GEORGE FOOT MOORE, A M , D.D , LL D., Litt D.
ARTHUR EDWIN KENNELLY, S D , A M
GEORGE LYMAN KITTREDGE, A.B , LL D , Litt.D.
CHARLES HERBERT THURBER, Ph D
ARCHIBALD CARY COOLIDGE, Ph.D , LL.D.
EDWIN FRANCIS GAY, Ph.D.
WALTER BRADFORD CANNON, A.M , M.D

CHARLES CHESTER LANE, A M., *Secretary.*

The Press occupies Randall Hall, Cambridge, Massachusetts. A stock of the publications issued by the Press is carried by the University Press Association, 280 Madison Ave., New York, by the Baker & Taylor Co. in New York, and by A. C. McClurg & Co. in Chicago. The agent of the Press in Great Britain is the Oxford University Press, London.

A complete catalogue of the publications of the Press, including approximately three hundred volumes, will be sent postpaid to any address on request.

SUPERVISION OF HEALTH

The health of the University is under the general supervision of the Professor of Hygiene. On May 2, 1916, the Faculty passed the following vote:—

“That every student registering for the first time in Harvard College shall be examined physically at the beginning of the academic year.”

As the result of this examination of the new students it is possible to advise students as to their physical needs and to maintain proper oversight over any student who is physically deficient.

The Professor of Hygiene is available to all students for consultation and advice. In addition the University appoints a Medical Adviser and Consultant to whom prompt reports of illness are made, who makes sure that medical attendance is provided if it be needed, and whose own services are available, without charge, for those who cannot afford to employ a private physician. The University also makes the following additional provisions for the health of its members: supervision of all dormitories by the Regent and Proctors, sanitary inspection of grounds and buildings, sanitary inspection of the University dining halls and frequent routine examinations of milk and other food stuffs, abundant facilities for physical exercise and athletic sports (see pp 489-491), a system of voluntary physical examinations by the Director of the Hemenway Gymnasium (prescribed for those who enter athletic contests, see page 488); and, finally, an excellent Infirmary, designed to meet every demand made upon it for medical or surgical treatment, including the isolation of contagious cases.

Professor of Hygiene

ROGER IRVING LEE, A.B., M.D.

THE STILLMAN INFIRMARY

Committee in Charge

HENRY PICKERING WALCOTT, M.D., LL.D.

ROBERT BACON, A.B., LL.D.

Physician in Charge

MARSHALL HENRY BAILEY, M.D., *Medical Adviser.*

Visiting Committee appointed by the Board of Overseers

FRANCIS LEE HIGGINSON, Jr	HERBERT BURR HOWARD,
JOHN COLLINS WARREN,	EDMUND HORACE STEVENS,
JOHN WHITE HALLOWELL,	JAMES PURDON,
CLARENCE JOHN BLAKE,	JOHN WELLS FARLEY,
AUGUSTUS HEMENWAY,	WILLIAM STICKNEY HALL,
GEORGE BRUNE SHATTUCK,	WILLIAM HOOPER,
SAMUEL HOLMES DURGIN.	

Matron

ESTHER DART.

The STILLMAN INFIRMARY, the gift of Mr JAMES STILLMAN of New York, was erected in 1901 to serve as a hospital for students of Harvard University. It is situated on Mt Auburn St., about half a mile from the College Yard

In return for an annual fee of four dollars which is payable by all students in the schools of Law and Divinity simultaneously with the first instalment of the tuition fee, any sick student in one of those departments is admitted to the Infirmary and is given, without further charge, a bed in a ward, board and ordinary nursing for a period not exceeding two weeks in any one academic year. Students in Boston departments, students in Cambridge departments other than those of Law and Divinity whose tuition fees for the whole academic year are to be less than two hundred dollars, and unmarried officers of the University, by payment of the fee of four dollars on or before October 1 in each academic year, may secure the above-mentioned benefits for that year. Students in Cambridge departments who pay the tuition fee of two hundred dollars are entitled to the same benefits without payment of the Infirmary fee. Except as above provided the regular charge for a bed in a ward, with board and ordinary nursing, is two dollars a day. Extra charges are made for private rooms and special nurses. The benefits provided by the payment of the above fees do not include medical attendance. It is expected that patients shall pay their physicians, but needy students are attended by the Medical Adviser without charge.

The Infirmary has proved of inestimable value not only by meeting the demands of serious cases, both medical and surgical, and by providing effective means for the treatment and control of contagious diseases, but also by furnishing in trivial cases the simple diet and care necessary for their relief which the patient might obtain at home, but which are not available in lodgings.

EXERCISE AND ATHLETIC SPORTS

THE HEMENWAY GYMNASIUM

Officers

DUDLEY ALLEN SARGENT, A.M., M.D., S.D., DIRECTOR.

CARL LUDWIG SCHRADER, *Instructor in Gymnastics*

CLARENCE BERTRAND VAN WYCK, *Secretary*

This Gymnasium, the gift of AUGUSTUS HEMENWAY, of the Class of 1875, was built in 1878 and enlarged in 1895.

An area of some 12,000 square feet of ground immediately adjoining the building has been enclosed, graded, and covered with asphalt, to afford facilities for practising gymnastic exercises and games in the open air

The Gymnasium includes a large main hall for general exercise, a running-gallery, rowing-room, and basement for Bowling Alleys, Hand Ball Courts, and rooms for Fencing, Sparring, Wrestling, and other exercises

The Gymnasium is open to all members of the University free of expense, on week-days from 11 A.M. to 1 P.M., 3 to 5.30 and 8 to 10 P.M., except on Saturdays, when it is closed at 7 P.M.

The attendance is voluntary, and the system adopted is one designed to meet the special wants of each individual. Realizing the great diversity in age, size, and strength, as well as in health, of the students who attend the University, the Director makes no attempt to group them into classes pursuing the same course of exercises

Upon entering the University, each student is entitled to an examination by the Director, in which his physical proportions are measured, his strength tested, his heart and lungs examined, and information solicited concerning his general health and inherited tendencies. From the data thus procured, a special order of appropriate exercises is made out for each student, with specifications of the movements and apparatus which he may best use. These exercises are marked in outline on cards without charge, or in hand-books accompanied by charts at a small expense. After working on this prescription for three or six months, the student is entitled to another examination, by which the results of his work are ascertained, and the Director enabled to make a further prescription. In addition to the individual prescriptions, there are classes in Free Movements and Light Gymnastics,

designed to afford an opportunity for general development to all students of the University who are not members of the athletic teams or who are not in need of specially prescribed exercises.

Students holding Scholarships are expected to be examined twice a year; those desiring to enter Athletic Contests must be examined by the Director, and, in addition, are required to give evidence of their ability by making the following strength tests according to the Intercollegiate Agreement. —

Candidates for the University Crew and Foot-ball Team and Weight Throwers are expected to make a total strength test of 700 points.

Candidates for the University Ball Nines and Track and Field Events, Class Crews and Foot-ball Teams, and Gymnastic, Wrestling and Sparring Contests are expected to make a total strength test of 600 points.

Candidates for the University Lacrosse, Cricket, Tennis, and Golf Teams, Class Ball Nines, and Class Track and Field Events are expected to make a total strength test of 500 points.

These points are reckoned as follows. The number of kilos, lifted with the back and legs straight, and the number of kilos, lifted with the legs bent, added to the strength of the grip of the right and left hand, expiratory power as tested by the manometer, and one-tenth of the weight in kilos, multiplied by the number of times that the person can raise his weight by dipping between the parallel bars and pulling his weight up to his chin on the horizontal bar. One-twentieth of the lung capacity may be substituted for the lung strength or expiratory test. Where the strength test falls below the desired standard the capacity of lungs is taken into account in summing up the condition.

These tests are made and certificates granted on any day, excepting Saturday and Sunday, between 2 and 4 P.M., within two weeks previous to a contest, but no examinations are made or certificates granted on the day of the contest.

COMMITTEE ON THE REGULATION OF
ATHLETIC SPORTS*Faculty Members*

LE BARON RUSSELL BRIGGS, A M, LL D, Litt D (CHAIRMAN), *Dean of the Faculty of Arts and Sciences*
HENRY AARON YEOMANS, A M, LL B, *Dean of Harvard College*
DUNHAM JACKSON, Ph D

Graduate Members

ROBERT FREDERICK HERRICK, A B., LL B
FRED BATES LUND, A M, M D
BENJAMIN LORING YOUNG, A B, LL.B

Undergraduate Members

ROBERT ELLSWORTH GROSS, 1919
ANDREW FELD TRIBBLE, 1919
NORMAN STEWART WALKER, Jr, 1920

Graduate Treasurer and Secretary

FRED WADSWORTH MOORE, A B., LL.B

The President and Fellows, with the consent of the Board of Overseers, established the Committee on the Regulation of Athletic Sports in October, 1888.

The present Committee derives its authority from a vote of the President and Fellows, to which the Board of Overseers consented, and which, as finally amended in February, 1908, is as follows: —

“ *Voted*, That the following be adopted as one of the standing rules and orders of the President and Fellows and the Board of Overseers —

“ A Committee for the Regulation of Athletic Sports is hereby established, the Committee to consist of three members of the Faculty of Arts and Sciences appointed by the Corporation with the consent of the Overseers, three graduates of the College to be appointed by the Corporation with the consent of the Overseers, and three undergraduates to be chosen for each College year during the first week of June of the preceding College year by the majority vote of the following students. the Presidents of the Senior, Junior, Sophomore, and Freshman classes, and a representative from each athletic organization which has, during the College year in which the election is held, been permitted to take part in intercollegiate contests.

"This Committee shall have entire supervision and control of all athletic exercises within and without the precincts of the University, subject to the authority of the Faculty of Arts and Sciences, as defined by the Statutes"

Under the authority thus conferred the Committee exercises supervision over all the athletic activities of the students and has general charge of the grounds and buildings devoted to athletic sports and exercise. The regulations framed by the Committee forbid the employment of unauthorized persons as trainers, and require intercollegiate and other contests to be held at such times and places as will cause the least interference with study. No student is permitted to take part in athletic contests without a physical examination by the Director of the Gymnasium and his permission so to do. The Committee chooses its own officers, and appoints a Graduate Treasurer, who supervises the accounts of all student athletic organizations and has such general authority over all matters connected with athletics as may be delegated to him by the Committee. The Committee makes a report annually to the President.

BUILDINGS AND GROUNDS FOR ATHLETIC USES

Besides the Gymnasium, other buildings are held, either by the University or by trustees, for the use of students of the University.

A substantial building for the use of the Baseball and other teams was erected in 1897-98 to the memory of Mr. HENRY ASTOR CAREY.

The UNIVERSITY BOAT HOUSE, the gift of the Harvard Club of New York City, was built in 1900 for the general use of the students. It has locker and boat room for about 500 students. A number of rowing machines and a rowing tank have been placed in the building, for winter work.

By a bequest of Mr. GEORGE WALKER WELD, of the Class of 1860, a boat-house was erected in 1906-07 on the site of the old Weld boat-house, which was turned over to the City of Cambridge. It has locker and bath accommodations for 700 students and ample space for the storage of boats. The intention of the donor was that this boat-house should be reserved generally for those students not rowing in regular crews.

The "Locker Building," erected in 1893-94 on Soldiers Field, has a capacity of 1500 lockers, and contains also large shower-rooms and dressing-rooms.

For out-door exercise, the two grounds described below have been provided.

JARVIS FIELD, a few hundred feet from Holmes Field, is about four acres in area, and is used exclusively for tennis.

SOLDIERS FIELD. By a gift made to the University in 1890 by Mr. HENRY LEE HIGGINSON, of the Class of 1855, the students were provided

with an additional playground of twenty acres. This field, named by the donor, is situated in Allston, just across the Charles River, and is within easy reach of the College Yard. In 1903, by a gift from the Class of 1879 and from funds accumulated by the Athletic Committee, a Stadium was erected with a seating capacity of about twenty-two thousand. Since 1898, the Longfellow Marsh has been enclosed to form part of Soldiers Field, and by improvement of the marsh one or two acres have been added to the playground every year until now about forty acres are in use. The total available area will ultimately be more than sixty acres. Soldiers Field includes tennis courts, running track, hockey rinks, and several football, baseball, soccer, and lacrosse fields.

RADCLIFFE COLLEGE

Radcliffe College is authorized, by an act of the General Court of Massachusetts, "to furnish instruction and the opportunities of collegiate life to women, and to promote their higher education"; and "to confer on women all honors and degrees as fully as any university or college in this Commonwealth is now so empowered respecting men or women, — *provided, however*, that no degree shall be so conferred by the said Radcliffe College except with the approval of the President and Fellows of Harvard College, given on satisfactory evidence of such qualification as is accepted for the same degree when conferred by Harvard University" Further, "it may confer at any time upon the President and Fellows of Harvard College such powers of visitation and of direction and control over its management as the said Radcliffe College may deem it wise to confer, and the said President and Fellows of Harvard College may consent to assume."

Under this provision, and with the consent of the Board of Overseers, the PRESIDENT AND FELLOWS OF HARVARD COLLEGE have been constituted the BOARD OF VISITORS of Radcliffe College, and they have authorized the President to countersign the diplomas of Radcliffe College and to affix to them the seal of Harvard University The administration of the affairs of Radcliffe College and the powers and functions of all its officers are subject to the direction and control of the Board of Visitors, and no instructor or examiner may be appointed, employed, or retained, without their approval.

The immediate government of the College is vested in a COUNCIL and an ACADEMIC BOARD The Council, consisting of the President, the Dean, the Treasurer, and the Chairman of the Academic Board, with seven other members chosen by the ASSOCIATES, each for the term of seven years, has general control of all the affairs of the College, including expenditures, the educational work, the government of the students, and the conferring of degrees. The Chairman of the Academic Board must be a member of the Faculty of Arts and Sciences of Harvard University, and his election is subject to the express approval of the Board of Visitors. The President and Dean are *ex-officio* members of the Academic Board. The remaining members are appointed annually by the Associates, subject to the express approval of the Board of Visitors, from the teachers or Associates of Radcliffe College who are also members of the Faculty of Arts and Sciences of Harvard University. The Academic Board has the direction, subject to the control of the

Council, of the instruction and the examinations of the College, and has all the duties and powers in respect thereto which usually belong to a College Faculty, including the recommendation of candidates for all degrees which are conferred by the College, but only those members who are also members of the Faculty of Arts and Sciences of Harvard University vote upon recommendations for degrees. The legal title of the Corporation (to be used in making gifts and bequests) is "Radcliffe College." Radcliffe College should be described as *established in Cambridge, Massachusetts.*

ASSOCIATES

[*The Associates of Radcliffe College constitute its Corporation*]

LE BARON RUSSELL BRIGGS, A M, LL D, LITT D.,	} <i>Ex-officio</i>
PRESIDENT.	
BERTHA MAY BOODY, A M, DEAN	
EZRA HENRY BAKER, A B, TREASURER	
HORATIO STEVENS WHITE, A B, LL D,	
ACTING CHAIRMAN OF THE ACADEMIC BOARD	
ANNA WELLINGTON WOLBACH (MRS S BURT WOL-	
BACH), A.B, CLERK OF THE ASSOCIATES.	
CHRISTINA HOPKINSON BAKER (MRS GEORGE P BAKER), A.B.	
MARY LOWELL BARTON (MRS FREDERICK O BARTON).	
ALICE HALE BURRAGE (MRS. WILLIAM S BURRAGE), A B	
WILLIAM ELWOOD BYERLY, PH D	
ELLA LYMAN CABOT (MRS RICHARD C CABOT)	
FREDERICK PICKERING CABOT, A.M, LL B.	
GEORGE HENRY CHASE, PH D	
SARAH MARIA DEAN, A B	
LILIAN HORSFORD FARLOW (MRS WILLIAM G. FARLOW).	
FREDERICK PERRY FISH, A.B	
GEORGE SHANNON FORBES, PH.D	
CHESTER NOYES GREENOUGH, PH D	
CAROLINE LOUISE HUMPHREY, A B	
ALICE MARY LONGFELLOW.	
ELLEN FRANCIS MASON.	
FANNY PEABODY MASON	
JOHN FARWELL MOORS, A M, LL D	
FRANCES PARKMAN (MRS. HENRY PARKMAN)	
FRED NORRIS ROBINSON, PH.D	
JOSEPH BANGS WARNER, A M, LL B	
GEORGE GRAFTON WILSON, PH.D, LL D.	
SARAH YERXA, A.B.	

BOARD OF VISITORS

THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE

COUNCIL

LE BARON RUSSELL BRIGGS, A M, LL D, Litt D.	} <i>Ex officio</i>
BERTHA MAY BOODY, A M	
EZRA HENRY BAKER, A B.	
HORATIO STEVENS WHITE, A B, LL D	
ELLA LYMAN CABOT.	
FREDERICK PICKERING CABOT, A M., LL.B	
FREDERICK PERRY FISH, A B	
JOHN FARWELL MOORS, A M, LL.D	
FRANCES PARKMAN	
FRED NORRIS ROBINSON, Ph D.	
ANNA WELLINGTON WOLBACH, A B.	

ACADEMIC BOARD

LE BARON RUSSELL BRIGGS, A M., LL.D, Litt.D., <i>Boylston</i> <i>Professor of Rhetoric and Oratory</i> , PRESIDENT.	} <i>Ex-officio</i>
BERTHA MAY BOODY, A M, DEAN.	
HORATIO STEVENS WHITE, A B., LL D, <i>Professor of German</i> , ACTING CHAIRMAN	
GREGORY PAUL BAXTER, Ph D, <i>Professor of Chemistry</i>	
WILLIAM SCOTT FERGUSON, Ph D, <i>Professor of Ancient History</i>	
CHARLES HALL GRANDGENT, A B., <i>Professor of Romance Languages.</i>	
EDWIN HERBERT HALL, Ph.D, LL D., <i>Rumford Professor of Physics.</i>	
GEORGE LYMAN KITTREDGE, A B., LL.D., Litt.D, <i>Gurney Professor of</i> <i>English Literature</i>	
EDWARD LAURENS MARK, Ph.D., LL D., <i>Hersey Professor of Anatomy.</i>	
HERBERT WEIR SMYTH, Ph D, <i>Eliot Professor of Greek Literature.</i>	

HARRIET DEAN BUCKINGHAM, A.M., *Secretary*
 ROSE SHERMAN, A.B., S.B., *Librarian.*
 ELIZABETH AGNES WRIGHT, *Director of the Gymnasium.*
 ELIZA MASON HOPPIN, *Mistress of Bertram Hall.*
 MARGARET FISKE MILLER, *Mistress of Grace Hopkinson Eliot Hall.*
 ABBIE HUSTON EVANS, A.B., *Mistress of Sarah Whitman Hall.*
 EDITH MARY COE, A.M., *Mistress of James and Augusta Barnard Hall*
 FRANCES MARION FAY, A.M., *Mistress of Everett House.*

ADMISSION OF STUDENTS

Undergraduates — The requirements for admission to the Freshman Class in Radcliffe College are the same as those for admission to Harvard College, with the exception that Radcliffe College does not admit candidates for the degree of S B (For information concerning the admission examinations for candidates for the degree of A B, see pages 172-179)

Special Students. — Special Students are, ordinarily, mature persons not in a position to meet the requirements for admission to regular standing, who are admitted at the discretion of the Academic Board on giving evidence of their fitness for the courses which they wish to pursue.

Unclassified Students — Students admitted to Radcliffe College from other colleges as candidates for the degree of A B, when they cannot be assigned immediately to any particular class, are placed in a group by themselves and called Unclassified Students.

Graduate Students — Bachelors of Arts of Radcliffe College, and graduates of other colleges of good standing who present satisfactory evidence of character and qualifications, are admitted without examination as Graduate Students in Radcliffe College

INSTRUCTION

The Courses of Instruction provided in Radcliffe College are for the most part identical with courses in Harvard University and given by the same instructors. The instruction actually given during the present year amounts, in the aggregate, to 101 courses and 53 half-courses in the first half-year, 1917-18; 59 other half-courses are offered for the second half-year. The whole number of teachers is 138, of whom 60 are Professors, 36 Associate or Assistant Professors, and 42 Instructors, Lecturers, or Assistants

In addition to the instruction provided by Radcliffe College, a considerable portion (during the present year 36 courses and 43 half-courses) of the advanced instruction offered by the Faculty of Arts and Sciences of the University which is designed primarily for Graduates is open to properly qualified students of Radcliffe College.

Radcliffe College has a select working library of forty-one thousand volumes. It has laboratories of Astronomy, Physics, Chemistry, and Physiology. The students have access to the scientific establishments of the University, and receive instruction to some extent in its laboratories. They have the use of the University Library. Opportunities are afforded to competent students for advanced study and research, and for the publication of results in scientific journals or in special monographs.

DEGREES

The requirements for the degrees of BACHELOR OF ARTS and MASTER OF ARTS are the same as for the corresponding degrees in Harvard University. The diplomas are countersigned by the President of Harvard University and bear the University seal.

SCHOLARSHIPS

For the year 1917-18 fifty-four Scholarships were awarded to students in Radcliffe College

The offices of the College are in FAX HOUSE, at the corner of Garden and Mason Streets, opposite Cambridge Common. All applications for information should be addressed to the *Secretary of Radcliffe College, Cambridge, Mass.*

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DIRECTORY

OF OFFICERS AND STUDENTS IN ALL DEPARTMENTS OF THE UNIVERSITY

The italic letters following the name indicates in what department or school the student is enrolled — *And*, Andover, *B*, Bussey Institution, *B U S T*, Boston University School of Theology, *C*, College, *Dn*, Dental School, *Dv*, Divinity School; *E T S*, Episcopal Theological School, *G*, Graduate School of Arts and Sciences, *G B*, Graduate School of Business Administration, *L*, Law School, *M*, Medical School, *Mm. S*, Mining School, *N T I*, Newton Theological Institution, *S A*, School of Architecture, *S L A*, School of Landscape Architecture. *A O* stands for Astronomical Observatory, *F M* for the Fogg Museum of Art, *G M* for the Geological Museum, *M C Z* for the Museum of Comparative Zoology, *P M* for the Peabody Museum, and *U M* for the University Museum.

The numbers 1, 2, 3, and 4, preceding these letters, indicate the Freshman, Sophomore, Junior, and Senior Classes respectively in College, or the first, second, third, and fourth years in the Schools. *Sp* means special student, *gr*, graduate student; *u*, unclassified student, *oc C*, candidate for Bachelor's degree, out of course. The italics in parentheses following *M I T*, — (*O E*), (*E E*), (*Mech E*), (*M E. and Met.*), and (*Sanit E.*), — indicate the different courses in Engineering and Mining.

A number enclosed in brackets following the name of an officer indicates the page of this Catalogue on which may be found the full name, degrees, and title of that officer. If an officer is "on leave of absence" for the year, his name is bracketed.

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Names of buildings are abbreviated as follows — *A*, Andover Building, *Bn*, Boylston Hall, *C't*, Conant Hall, *D*, Divinity Hall, *G*, Grays Hall, *Gnt*, Gannett House, *H.*, Holts Hall, *It'y*, Holworthy Hall, *M*, Matthews Hall, *S.*, Stoughton Hall, *T.*, Thayer Hall, *W.*, Weld Hall.

The Freshman Dormitories are abbreviated as follows — *Go*, Gore Hall, *G S*, George Smith Hall, *J S*, James Smith Hall, *P S*, Persis Smith Hall, *Sd*, Standish Hall.

Names of places are abbreviated as follows — *B'kline* = Brookline; *Ch's'n* = Charles town, *Dor* = Dorchester, *Jam. Pl.* = Jamaica Plain, *Rox.* = Roxbury; *Somer.* = Somerville.

Any discrepancy which may exist between the addresses as given in this Directory and in the former part of the Catalogue arises from the fact that changes were made after the first part of the Catalogue was in press. The addresses as given here are in all cases the later ones.

Abbot, G., <i>M I T</i> , (<i>E E</i>)	Adams, C. H., <i>Sp</i> .
281 Newbury*	66 Orient Ave., Melrose
Abbot, T. S., <i>2C</i> .	ADAMS, E. B., <i>Librarian of the Law</i>
6 Holyoke Pl.	School [34]
Abbott, N. G., <i>M. I. T.</i> (<i>Mech E</i>)	61 Mt. Vernon*
484 Beacon*	Adams, E. C., <i>M I T</i> (<i>E E</i>)
Abel, A. L., <i>1M</i> .	290 Mass Ave
73 Fenwood R'd*	Adams, F. S., <i>M I T</i> (<i>E E</i>)
Abrams, H., <i>1C</i> .	393 Broadway
8 Fowler, Dor.	ADAMS, J. D., <i>Asst</i> [56]
Abrams, J. B., <i>4C</i> .	45 Bay State R'd*
Acheson, D. G., <i>3L</i> .	3 Concord Ave.
3 Concord Ave.	Adams, B. F. D., <i>3C</i>
Claverly 38	ADAMS, C. A., <i>Prof.</i> [20]
Adams, B. F. D., <i>3C</i>	13 Farrar
ADAMS, C. A., <i>Prof.</i> [20]	Sd. p41
Adams, C. C., <i>1C</i>	Adams, M. W., <i>M I T</i> . (<i>E E</i>)
Sd. p41	4 Rutledge, W. Rox
ADAMS, C. F., <i>Treasurer</i> [3]	50 State*

HARVARD UNIVERSITY

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43 Dedham Ave., Needham
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Adelson, S. W., *3C* 12 Harlem, Dor
Adler, S. W., *3M*
643 Huntington Ave *
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32 Gould, Stoneham
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Albert, H., *1C* 160 Broadway, Chelsea
Albert, J., *4C* 49 Oxford
Albert, S., *1L* 22 Grape, Malden
Alberts, H., *3C* 29 Brinsley, Dor
Albizu y Campos, P., *2L*
34 Mt Auburn
Albright, F., *1C* Sd A22
Albright, J. J., *3C* Claverly 30
Alexander, C. E., *M I T (Mech E)*
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Alexander, W. H., *2M*
333 Longwood Ave.*
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112 Huntington Ave.*
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Allen, E. E., *1C* J S. c42
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123 Cross, Lawrence
Allen, L. H., *M. I. T. (E. E.)*
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- Bronson, R. E., 1C. G.S. c21
- Bronstein, A. I., 3C. 220 Prospect
- Broockmann, H., *M I T. (C.E.)*
334 Harvard
- Brook, A., 2C. M 7
- BROOKS, G., *Deputy Treasurer* [3]
50 State*
- BROOKS, S. C., *Research Fellow in Tropical Medicine* [57]
Harvard Med. Sch.*
- Browder, N. C., 2M. 74 Fenwood R'd*
- BROWN, A., *Lectr.* [44] Robinson Hall
- Brown, A. A., *M I T (M E and Met)*
92 Broadway, Taunton
- Brown, A. W., 3C T 8
- Brown, C. E., *M I T (C.E.)*
113 Gainsboro*
Craige Circle
- Brown, C. F., 2L
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42 Norwood, Everett
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- Brown, E. C., 4C. M 56
- BROWN, F. A., *M I T Instr* [45]
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- Brown, G. I., *M I T (Mech E)*
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333 Longwood Ave.*
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43 Hampstead R'd, Forest Hills
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- [BRYANT, J., *Asst.*] [51]
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- Bryce, D. A., 2C. Drayton 12
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the Division of History, Government,
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 Lincoln St, Hingham
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 64 Monadnock, Dor
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 Butterfield, W, *uC* W 1
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 39 Hammond
 Byers, R K, *1M* H'y 12
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 [CABOT, H, *Asst Prof*] [23]
 87 Marlboro*
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 Cabot, P M, *1G* Claverly 45
 [CABOT, R C, *Asst Prof*] [19]
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 Caldwell, A. LeR., *uC* T 55
 Caldwell, S H, *M I T (Mech. E)*
 517 Beacon*
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 Campbell, K., 1C Go B25
 Campbell, S. R., 1C' J.S. A24
 Campbell, W. H., 3L 53 Oxford
 Caner, G. W., 1C G.S. A22
 Canfield, C., 3C Claverly 45
 Cannell, J. E., *M I T (E E)*
 6 Foster, Everett
 Canney, A. W., *And* A 1
 Cannon, M. L., 2Dn 118 Antrim
 [CANNON, W. B., *Prof*] [24]
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 Cantor, W., 2C M 19
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 Caploe, S., 1C' 73 Poplar*
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 1071 Beacon, B'kline
 Carey, A. B., 2L 393 Adams, Dor
 Carey, F. J., 1C' 29 Kent, B'kline
 Carey, F. M., 2C
 93 Partridge Ave., Somer
 Carhart, A. S., 2C Claverly 22
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 Carlton, G. L., 1C 11 Dana
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 48 Sixteenth, Fall River
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 ing [33] 1654 Mass. Ave
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 Carpenter, G. N., 1C. J.S. c42
 Carr, H. P., 2M. 1071 Beacon, B'kline
 Carr, R. L., 3C. M. 48
 Carrigan, P. W., *uC.* 3 Newton, Ayer
 CARRINGTON, F., *Lectr.* [38]
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 Carro, L. J., 1L Russell 8
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 High Plain R'd, Andover
 Carter, J. S., *M I T (Mech.E.)*
 96a Fairmont, Malden
 Cartwright, R. A., *M I T (Mech E)*
 147 Magazine
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 Cashon, J. L., 8G B 77 Pinckney*
 Cassidy, R. P., 3Dn
 73 Nahant, Wakefield
 Castle, H. F., 2C Russell 21
 Castle, W. B., 1M T 15
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 Caswell, F. A., 3C
 7 North C't, Salem
 Cathcart, N. A., 1C. J.S. B41
 CATHERON, R. S., *Instr* [60]
 437 Lafayette, Salem
 Catterall, R. T., 1C. T 20
 CAVANAGH, A. L., *1st* [63]
 49 Union Sq., Somer.
 Cavert, S. McC., *grDv* D. 28
 Cawley, F. S., 5G Wadsworth 5
 Cawley, N. B., *And.* A. 2
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 64 Dracut, Dor.
 Chadsey, H. M., 4C. 5 Whiting, Rox.
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 CHAFFE, Z., *Asst. Prof.* [31] 81 Irving
 CHAFFLE, E. L., *Asst. Prof.* [31]
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 [35] 65 Langdon
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 Chambers, R. H., 1C Go. A22
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 Chandler, H. A., 2G B Drayton 16

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Chapman, W R., 2G B	Chung, K C, 1G	526 Newbury*
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Chase, G D, 1C	Church, J. S, 1C	PS B43
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Chase, M L, 3C	Clapp, R S, 3C	T. 46
Chase, S B, 1C	Clark, D B, 1G	C't 36
Chayne, C A, M I T (<i>Mech E</i>)	Clark, E A, 1C	Go B34
283 Newbury*	Clark, H C, 2C	S 23
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20 Hereford*	9 Ashton Pl	
Chekrez, C A, 4C	CLARK, H. S., <i>Instr</i> [59]	
Cheley, G E, 2M	44 Maple, Danvers	
Chen, C Y, M I T (<i>ME and Met</i>)	Clark, J F W, 2M	
171 Auburn	717 Beaver, Waltham	
Chen, H, 1C	Clark, M H, M I T (<i>Mech E</i>)	
Cheney, P L, 1C	484 Beacon*	
Cheney, R C, 3M	Clark, T H, 1G	
Cheng, S T, uC.	511 Main, So Weymouth	
Cheng, Y C, 1G	Clark, W B, M I T (C E)	
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Chuck, W G, 2C	Clemens, E W., 1L	C't 35
Chidsey, H C, M I T (<i>Sanit E</i>)	Cleveland, B R, M I T (<i>Mech E</i>)	
947 Mass Ave	33 Farnham, Lawrence	
Chiu, B E, 1G	Cleveland, L L, 1G	16 Linnaean
Chiu, V Y, 1L.	CLIFFORD, H E, <i>Prof.</i> [17]	
Chiu, W Y, M I T (E E)	942 Beacon, Newton Centre	
22 Magazine	Clinton, J D, <i>grDv</i>	106 Ellery
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	8 Nottingham, Dor.	
	Clough, B C, 1G	
	18 Hamilton, Readville	

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 CLYMER, G., *Alumna Asst in Neu-*
rology [51] 126 Bay State R'd*
 Coachman, K P, *M I T (Mech. E)*
 41 Bromfield*
 Cobb, C, *M I T. (C E)* T. 41
 COBB, F C, *Associate in Laryngology*
 [54] 11 Marlboro*
 Cobb, P. II, 1G M. 35
 Coburn, A, 2G.B. 36 Ash
 [COBURN, F. G., *Lectr*] [47] U 17
 Cochran, J J, 3C Claverly 36
 COCHRANE, R. C., *Asst* [52]
 96 Bay State R'd*
 CODMAN, B H, *Instr* [58]
 126 Mass Ave*
 Cody, F. T., 4C 25 Division, Atlantic
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 Coffey, E A., 2L 13 Union, Salem
 Coffin, G W, *M I T. (E E)*
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 [55] 234 Clarendon*
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 P.S c22
 Coggins, P. P., 1C. G.S B42
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 Cohen, A G, 3C.
 219 Columbia R'd, Dor.
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 Cohen, II, 4M. 24 Canterbury, Dor
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 Cohen, P. P., 3L. W. 38
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 Cohen, R. M., 4C 30 Eliot*
 COHN, E. J., *Asst* [43] 26 Walker
 Cohn, H., 3L. M. 36
 Cohn, H. M., uC. S 2
 Coit, R. S., 4C. M 38
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 Colby, F. H., 4M. Hampden 33
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 179 Bay State R'd*
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 Collins, W E., 2C
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 Collins, W L., *M I T. (E.E.)*
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 Collinson, S E, 2C Westmorly 7
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 COOLIDGE, A., *Prof.* [15] 613 Beacon*
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 27 Fayerweather
 Coombs, J R., *And.* D. 8
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 Cooper, W. E., 2C M. 37
 COPELAND, C. T., *Associate Prof.* [16]
 H. 15

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Corcoran, J H, 4C
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Corcoran, P R, 2C
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Costelloe, W H, M I T (E E)
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266 Chestnut Hill Ave *
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COUNCILMAN, W T, *Prof* [13]
78 Bay State R'd *
COURTNEY, J. W, *Associate in Neu-
rology* [55] 94 Bay State R'd *
COWDREY, I H, M I T Instr [45]
722 Webster, Needham
Cowles, J, 1C Sd c23
Coxe, H B, 2C Claverly 17
Coy, W B, 3C
104 Dudley, Medford
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512 Commonwealth Ave *
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Craig, W. M., 1G C't 27
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[19] 38 Lake View Ave
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Cranston, A B, 3C 176 Upland R'd
Crapo, A R., sG B
722 Commonwealth Ave *
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Crawford, B V., 4G C't 34
Critz, D S, 3C 1200 Mass Ave
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CROCKETT, E A., *Asst Prof* [18]
298 Marlboro *
Crockett, M A, 1G 33 Trowbridge
Cronin, W L, 2Dn 17 Baldwin
Crosby, M H, 3C
18 Mansfield, Allston
Crosby, R J, M I T (Mech E)
749 Saratoga, E *
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Crosscup, L, 3C 2 Holyoke
Crotwell, S P, M I T (E E)
171 Hemenway *
Crouch, P W, 3Dn.
602 Centre, Jam Pl
Crowe, C P, 1Dn
19 Fountain, Medford
Crowley, A H A, 1C
107 Sawyer Ave, Dor
CROWLEY, A S, *Instr* [61]
1800 Mass Ave
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201 Pearl
Crowley, J W A, M I T (E E)
3 Cobden, Rox
CROZIER, W. J., *Resident Naturalist
of Bermuda Biological Station* [32]
(also 6G, *Frederick Sheldon Travel-
ling Fellow*) [106]
Agar's Island, Bermuda
Crumbacher, J B, 3C. Claverly 55
Crumrine, C A, 1M 18 Francis, Rox
CRUSE, B M., *Austin T F.* [42] (also
1L) 48 Irving
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Culohas, N C, 3L 51 Brattle
Cumming, E D, 1C P.S. A21
Cummings, A F, 3C 8 Howes, Dor
CUMMINGS, E. C., *Instr.* [60]
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Cummings, E R., 2Dn
120 Mt Auburn
Cummings, S R, M I T (Mech E)
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CUNNINGHAM, A R., Asst [53]		Cutting, R A., 2G	
45 Bay State R'd		11 Cherry, W. Somer.	
CUNNINGHAM, J. H., Associate in		Cutting, W. B., ocC	83 Commercial*
Genito-Urinary Surgery [56]			
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448 Broadway, Chelsea
- SMITH, L I, *Instr* [40] (also *3G*)
G 24
- SMITH, L S, *M I T Asst Prof* [28]
25 Fisher Ave, Newton Hlds
- Smith, Lawrence W, *2M*
32 Kilsyth R'd, B'kline
- Smith, Leland W, *2C* M 55
- Smith, Luther W, *3C*
15 Holborn, Rox
- Smith, Maurice, *3C* T 33
- Smith, Moses, *1C*
287 Washington Ave, Chelsea
- Smith, M A, *M I T (E E)*
393 Broadway
- Smith, M M, *2C* W 45
- Smith, M P, *M I T (C E)*
Technology Dormitory
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- Smith, O Van P, *2C* Randolph 49
- Smith, Paul H, *2G B* 42 Kirkland
- Smith, Philip H., *4C* T 24
- Smith, P R, *3Dn*
14 Cedar, W Somer
- SMITH, R HENRY, *M I T Instr* [44]
17 Heath, Winter Hill
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32 Telegraph, So *
- Smith, R I., *2M* 8 Irvington*
- SMITH, R M, *Asst* [51] 329 Beacon*
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853 Mass Ave, Arlington
- Smith, T A, *4C* S 4
- SMITH, W D, *Asst* [49]
99 Commonwealth Ave *
- SMITH, W H, *Instr* [22] 8 Marlboro*
- SMYTH, H. L., *Prof and Director of*
Mining and Metallurgical Lab [16]
Belmont St, Watertown
- SMYTH, H W, *Prof* [14]
15 Elmwood Ave
- Snaveley, T R, *1G* 11 Dana
- Snelling, H. B W, *1C* Sd E13
- Snelling, P. W, *1M*
316 Huntington Ave *
- Snider, C. R., *grL* Claverly 50
- Snider, D H, *1C* Go 431
- Snider, I, *3M* 316 Huntington Ave.*
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Fairfax 13
- Snodgrass, D E, *1L* 61 Oxford
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- Snow, K, *1C* Dunster 21
- Snow, R H., *2C* Fairfax 42
- Snowman, R E, *3C* S 22
- Soars, E A, *M I T (E E)*
20 Baker, Lynn
- Soletsky, D, *2M* 81 Fenwood R'd*
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520 Beacon*
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43 Bay State R'd*
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Surgery [54]
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- SPALDING, F M, *Instr* [48]
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- Spalding, M. T B, *2C*
255 Walnut, B'kline
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Sperling, B. I., <i>1C.</i> Sd. 641	STEELE, L. D., <i>Asst.</i> [43] (also <i>3G</i>) W 28
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Sperry, W. L., <i>IG B</i> 8 Story	Steele, B. M., <i>M.I.T. (E.E.)</i> 491 Commonwealth Ave *
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58 Taylor, Wollaston		70 No State, Concord, N H	
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643 Huntington Ave *		Supple, G., 4C	
Stowers, N., 2Dn		34 Algonquin, Dor Centre	
15 Anson, Forest Hills		Supple, W. R., 3M	
Stowhas, C A, M I T (E E)		4 Main, Cochituate	
17 Magazine		Suravitz, B. N, 3C	M 15
Strait, A J., 1G	65 Hammond	Sutton, G, 1C	Sd. c41
Stranahan, F S, 1C	G S A32	Svenson, C L, M I T (Mech E)	
Stratton, C E, sG B	Groton	303 Wood Ave, Mattapan	
		Svenson, H K, 1C	
		60 Willard, Malden	

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Swan, J. T., <i>1C</i> J.S. c20	Tang, Y. L., <i>uC</i> 106 Hammond
Swart, W. R., <i>3C</i> Randolph 41	Tanner, K. J., <i>3L</i> Claverly 43
Swartz, J. H., <i>2M</i> 18 Michigan Ave., Dor.	Taran, L. M., <i>1C</i> Sd n42
SWAYZE, F. J., <i>Overseer</i> [5] 765 High, Newark, N.J.	Tashjian, L. D. S., <i>3Dn</i> 532 Tremont*
Swayze, F. S., <i>2C</i> Fairfax 33	Tatsumo, M., <i>M.I.T. (M.E. and Met.)</i> 119 Hemenway*
Sweeney, F. J., <i>1C</i> 183 Faneuil, Brighton	[TAUSSIG, F. W., <i>Prof.</i>] [15] Washington, D. C.
Sweeney, F. M., <i>M.I.T. (E.E.)</i> 83 Tremont, Peabody	Tavener, C. H., <i>M.I.T. (Mech.E.)</i> 1525 Blue Hill Ave., Mattapan
Sweet, P. W. K., <i>1C</i> P.S. A26	Tay, K. P., <i>1L</i> 475 Broadway
SWETT, G. W., <i>M.I.T. Asst. Prof.</i> [29] 11 Henry Ave, Melrose Hlds.	Taylor, C. H., <i>1C</i> Go A42
Swett, N. W., <i>2Dn</i> 37 Ashland, Medford	TAYLOR, DEW McC, <i>M.I.T. Instr</i> [45] 90 So. Central Ave., Wollaston
Swift, G. W., <i>M.I.T. (Mech.E.)</i> 55 Oak, Taunton	Taylor, E. L., <i>uC</i> 20 Holyoke
SWIFT, J. B., <i>Asst</i> [51] 419 Beacon*	TAYLOR, E. W., <i>Prof</i> [19] and <i>Instr</i> [58] 457 Marlboro*
SWIFT, W. B., <i>Chemical Asst</i> [57] 110 Bay State R'd*	TAYLOR, F. T., <i>Instr</i> [58] 419 Boylston*
Swigert, W. G., <i>2C</i> Westmorly 136	Taylor, G. H., <i>3Dn</i> 1122 Washington, Gloucester
Swinnerton, C. P., <i>2C</i> 16 Church	Taylor, G. W., <i>4C</i> T. 20
Swirsky, J., <i>1C</i> P.S. B52	Taylor, J. E. C., <i>1C</i> P.S. A26
Swope, L. M., <i>4C</i> 364 Harvard	TAYLOR, J. L., <i>Asst. Comptroller</i> [36] Dane Hall
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Syner, C. M., <i>M.I.T. (M.E. and Met.)</i> 100 Bay, Taunton	Taylor, N. H., <i>4M</i> 327 Huntington Ave *
Sze, F. C., <i>4C</i> 106 Hammond	Taylor, W. S., <i>1G</i> 30 Langdon
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TAFT, R. B., <i>Instr.</i> [61] 153 Newbury*	Teel, N., <i>1C</i> 30 Woodland Ave., Medford
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Yao, C' F., <i>M.I.T. (Mech.E.)</i>	72 Westland Ave *	
428 Newbury*	Yu, W. T., <i>2L.</i>	M. 23
YAPP, V. R., <i>Supt. of Circulation,</i>	Yungblut, C. G., <i>2C.</i>	6 Holyoke Pl.
<i>Coll. Lib</i> [33]		
7 Centre		
Yavner, B. F., <i>3Dn.</i>		
152 Linwood, Somer		
YEOMANS, H. A., <i>Prof and Dean of</i>		
<i>Harvard College</i> [28]		
22 Alden R'd, Watertown	Zach, L. H., <i>4C.</i>	S. 7
Yesner, S., <i>3C.</i>	Zach, P., <i>3C'</i>	53 Dunster
Yin, H. R., <i>uG.B.</i>	Zahn, E. G., <i>M.I.T. (E.E.)</i>	
W 52		
Yoakam, W. A., <i>2M</i>		
11½ Claremont P'k*	Zaklo, C. de, <i>2L.</i>	M. 33
Yokoyama, M., <i>1G.</i>	Zehring, S. D., <i>3S.L. 1.</i>	M. 7
15 Sumner R'd	Zimmerman, J. L., <i>1L.</i>	W. 16
Yont, L. D., <i>2C.</i>	Zobel, M., <i>3C.</i>	M. 11
9 Park Vale Ave., Allston	Zukoski, C. F., <i>3C'</i>	Randolph 3